

# Infrastructure Plan Sheets

# Downtown West

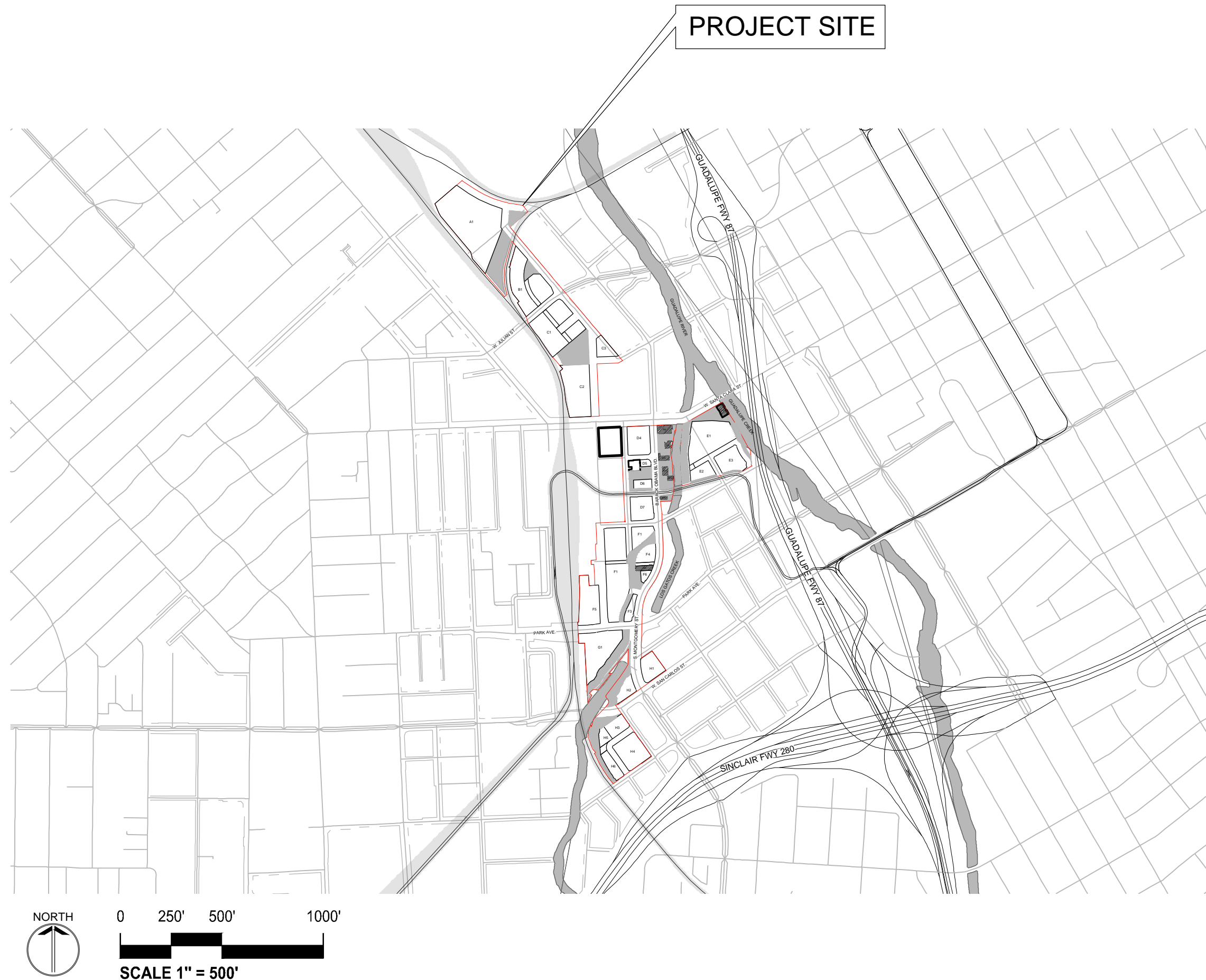
San Jose, California

## GENERAL NOTES

- THESE INFRASTRUCTURE PLAN SHEETS ARE CONCEPTUAL IN NATURE AND DESCRIBE ANTICIPATED FLOODPLAINS, GRADING DESIGN, UTILITY DESIGN, AND STORMWATER IMPROVEMENTS. FINAL PLANS WILL BE SUBMITTED AND EVALUATED AS PART OF 100% TRACT IMPROVEMENT PLANS.
- EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON SURVEY PERFORMED BY HMM ENGINEERS UNDER THE DIRECTION OF TRACY GIORGETTI, LS FROM JANUARY 2020 TO JULY 2020. BASIS OF BEARINGS: THE CALCULATED BEARING OF SOUTH 02° 43' 35" WEST TAKEN BETWEEN THE RECORD POSITION OF GPS CONTROL POINT 2218 AND GPS CONTROL POINT 1049, AS SHOWN ON THAT CERTAIN RECORD OF SURVEY FILED FOR RECORD ON JUNE 21, 1996, IN BOOK 677 OF MAPS AT PAGE 54, OFFICIAL RECORDS OF SANTA CLARA COUNTY WAS TAKEN AS THE BASIS FOR ALL BEARINGS SHOWN HEREON. BENCHMARK: SCVWD BM365 = 83.71', NORTH AMERICAN VERTICAL DATUM OF 1988, DATE ADJUSTED MARCH 14, 2017, VALLEY TRANSPORTATION AGENCY'S ALUMINUM DISK (VTA-225) ON TOP AND AT MID CONCRETE SIDEWALK; 3.1 FEET SOUTH FROM FACE OF CURB; 12 FEET WEST FROM THE SOUTHEAST CORNER OF NEW JULIAN STREET BRIDGE OVER GUADALUPE RIVER, BETWEEN HIGHWAY 87 AND AUTUMN STREET. CITY OF SAN JOSE. GRADES ENCOUNTERED ON-SITE MAY VARY FROM THOSE SHOWN. CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS AND CONDUCT FIELD INVESTIGATIONS TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.
- THIS TOPOGRAPHIC SURVEY IS NOT MEANT TO BE A FULL CATALOG OF EXISTING CONDITIONS. INFORMATION REGARDING EXISTING SURFACE OR SUBSURFACE IMPROVEMENTS AND UTILITIES SHOWN ON THESE PLANS REFLECTS INCOMPLETE AVAILABLE INFORMATION AS OF THE DATE OF DESIGN. CONTRACTOR SHALL CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY THE LOCATION AND ELEVATION OF EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES (WHETHER SHOWN ON THESE PLANS OR NOT) PRIOR TO THE COMMENCEMENT OF WORK.
- THE DESIGN SHOWN IN THESE DRAWINGS IS BASED UPON STANDARDS AS PROVIDED IN THE DOWNTOWN WEST IMPROVEMENT STANDARDS.

## UNAUTHORIZED CHANGE AND USE

- SHERWOOD DESIGN ENGINEERS, LTD. SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, FOR THE SAFETY OF THE PUBLIC OR CONTRACTOR'S EMPLOYEES, OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CIVIL DESIGN ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OR THESE PLANS. ANY MODIFICATIONS TO THIS DOCUMENT, WITHOUT THE WRITTEN PERMISSION OF SHERWOOD DESIGN ENGINEERS, LTD., SHALL RENDER THE PLANS INVALID AND UNUSABLE.
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C5.5	CITY OF SAN JOSE DETAILS		

## INFRASTRUCTURE PLANS

## DOWNTOWN WEST

### San Jose, California

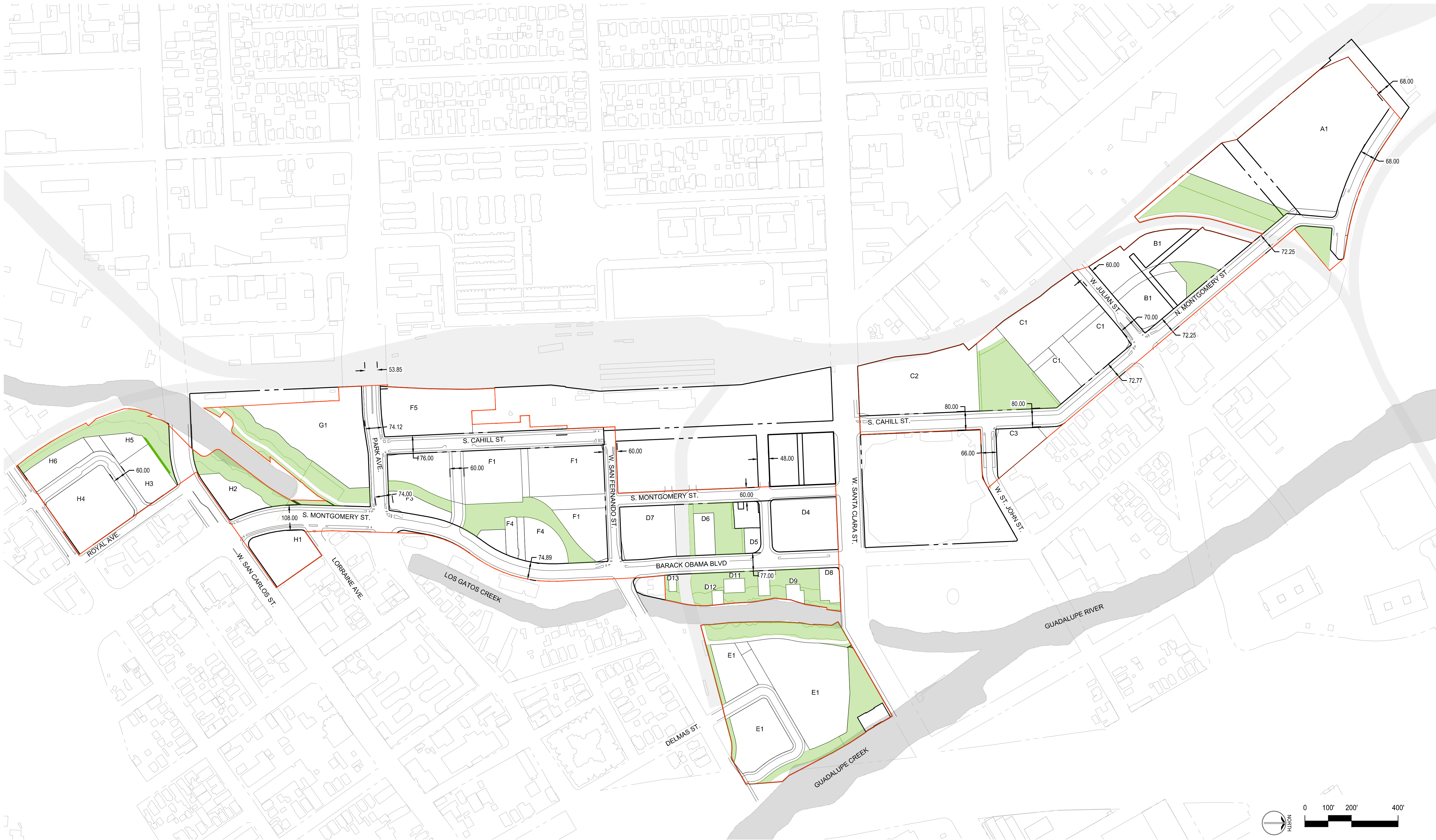
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CHECKED BY:	BB	
DATE:	31 MARCH 2021	
SCALE:		
SHERWOOD DESIGN ENGINEERS		

## COVER SHEET

C0.0



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LEGEND

DEVELOPMENT BOUNDARY

DEVELOPMENT BLOCKS

RAIL

CREEK

OPEN SPACE

INFRASTRUCTURE PLANS

DOWNTOWN WEST

San Jose, California

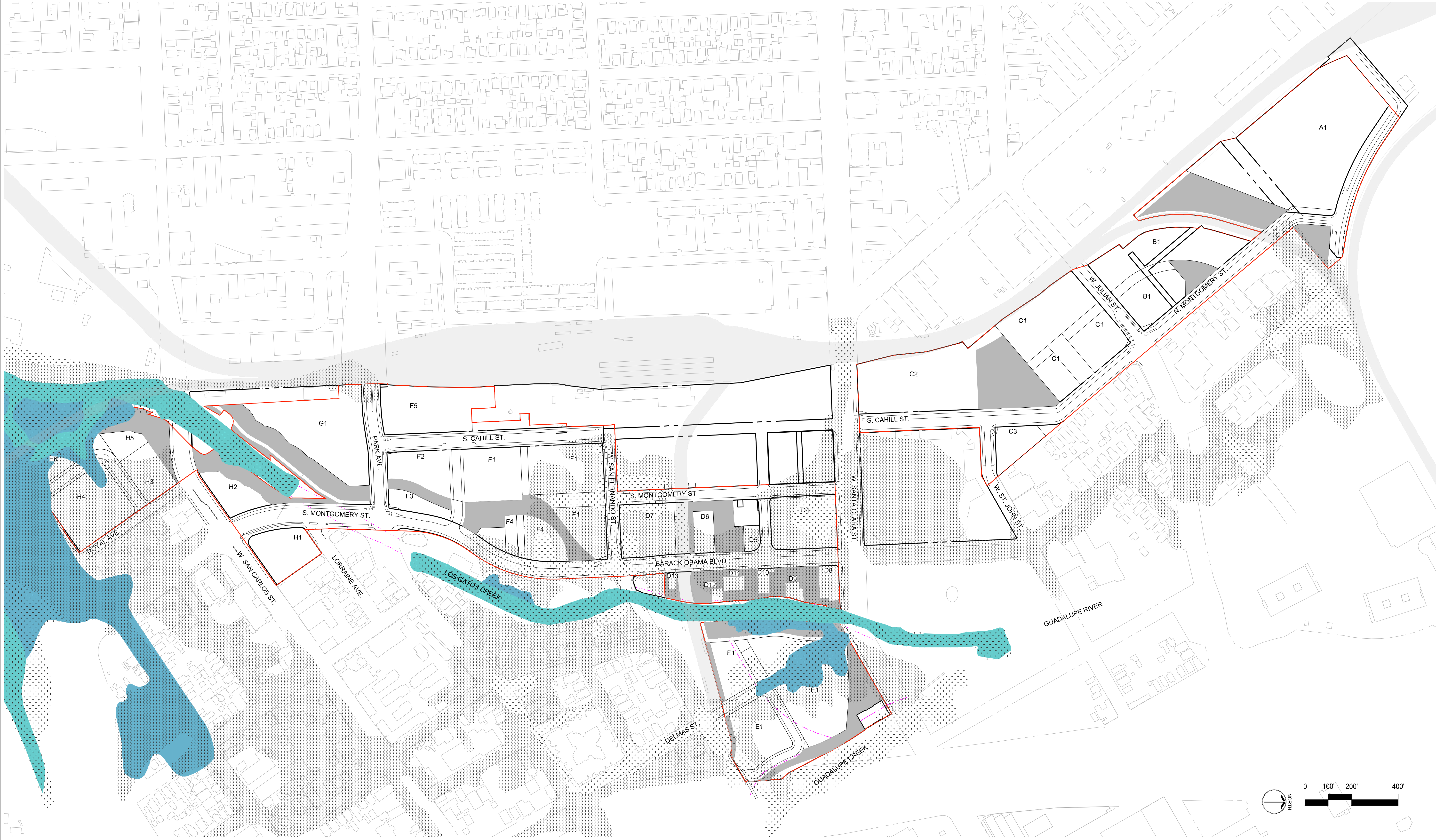
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1	BB	CHECKED BY:
1	31 MARCH 2021	DATE:
1		SCALE:
1		SHERWOOD DESIGN ENGINEERS

SITE PLAN

C1.0



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#### NOTES

- FLOOD ZONES ARE DEFINED AS THE FOLLOWING:
  - FLOOD ZONE A: AREAS SUBJECT TO THE 1% ANNUAL FLOOD WITH AVERAGE DEPTHS GREATER THAN ONE FOOT.
  - FLOOD ZONE X: SHALLOW FLOODING FROM THE 1% ANNUAL FLOOD WITH AVERAGE DEPTHS LESS THAN ONE FOOT.
- FEMA FLOOD ZONE BOUNDARIES PER EFFECTIVE FEMA FLOOD INSURANCE STUDY (FIS) NUMBER 06085CV001B DATED FEBRUARY 19, 2014 AND FEMA FLOOD INSURANCE RATE MAP NUMBER 06085C0234H, MAY 18, 2009.
- THE VALLEY WATER FLOOD ZONE SHOWN IS DEFINED BY THE LOS GATOS CREEK HEC-RAS HYDRAULIC MODEL DATED 12/14/2019.
- THE PROPOSED FLOOD ZONE IS DEFINED BY THE CREEK MITIGATIONS AND MODIFICATIONS AS DESCRIBED IN THE DOWNTOWN WEST INFRASTRUCTURE PLAN.
- A DETAILED FLOOD ANALYSIS WILL BE REQUIRED IN SUBSEQUENT DESIGN PHASES FOR ANY PROPOSED BUILDINGS WHICH ARE LOCATED WITHIN FLOOD ZONE A, IN ORDER TO DETERMINE THE FINAL SITE GRADING AND FINISHED FLOOR ELEVATION(S).

#### LEGEND

DEVELOPMENT BOUNDARY	
RIGHT OF WAY	
FACE OF CURB	
(E) FEMA FLOOD ZONE A	
(E) FEMA FLOOD ZONE X	
(E) VALLEY WATER FLOOD ZONE A	
(E) VALLEY WATER FLOOD ZONE X	
PROPOSED FLOOD ZONE A	
PROPOSED FLOOD ZONE X	
OPEN SPACE	
RAILWAY	

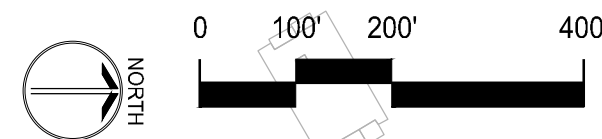
## INFRASTRUCTURE PLANS

## DOWNTOWN WEST San Jose, California

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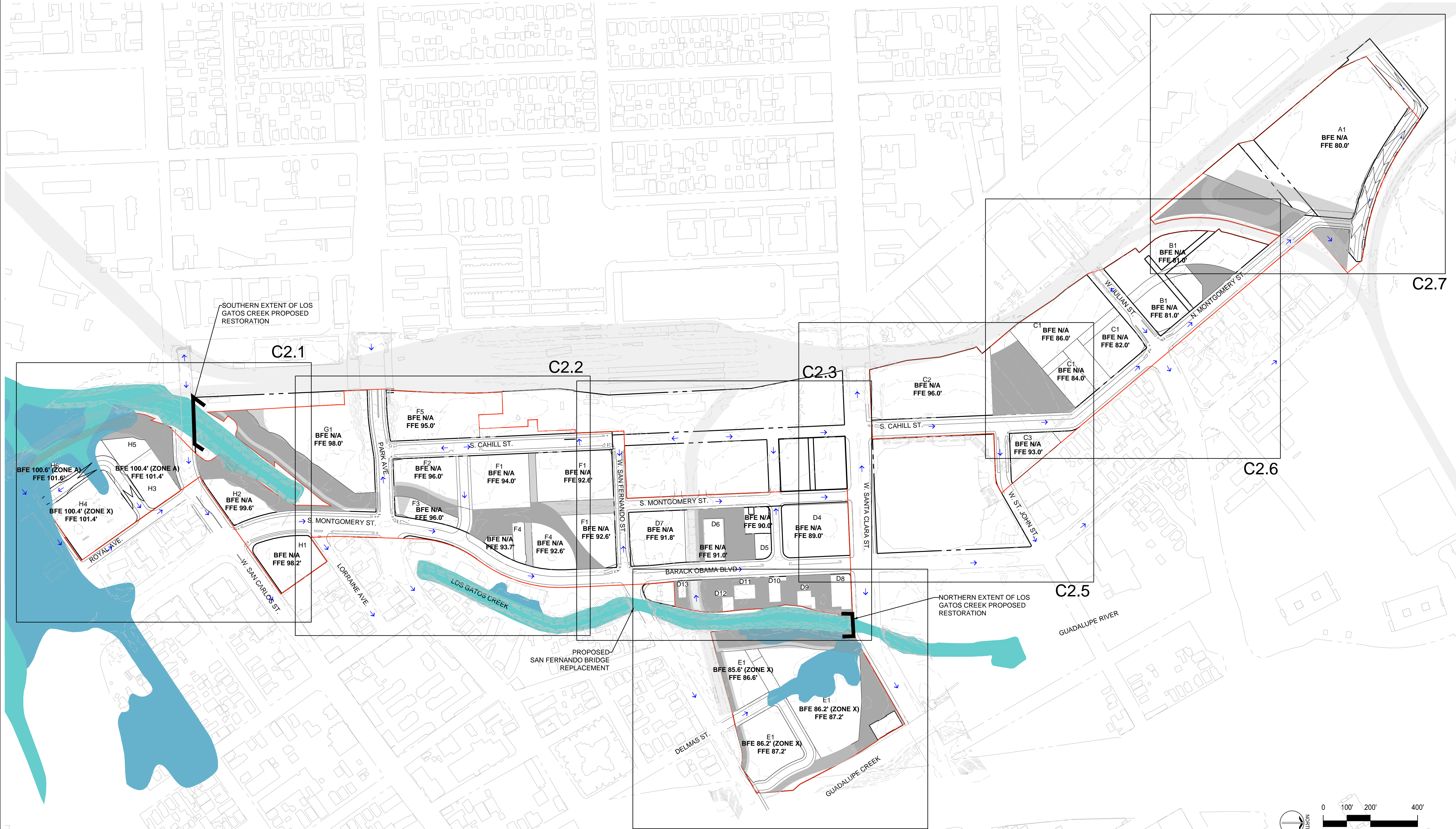
## FLOODPLAIN MAP

C1.1





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NOTES

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2. IN AREAS WITH A DEFINED BFE, THE FINISH FLOOD ELEVATIONS (FFE) REPRESENT THE MINIMUM ELEVATION ALLOWED. IN AREAS WITHOUT A DEFINED BFE, FINISH FLOOR ELEVATIONS (FFE) ARE APPROXIMATE. FFEs WILL BE FURTHER DETERMINED IN FUTURE DESIGN PHASES.
3. NO CHANGES ARE PROPOSED TO EXISTING BUILDING FINISHED FLOOR ELEVATIONS.
4. A DETAILED FLOOD ANALYSIS WILL BE REQUIRED IN SUBSEQUENT DESIGN PHASES FOR ANY PROPOSED BUILDINGS WHICH ARE LOCATED WITHIN FLOOD ZONE A, IN ORDER TO DETERMINE THE FINAL SITE GRADING AND FINISHED FLOOR ELEVATION(S).

LEGEND

- DEVELOPMENT BOUNDARY
- (E) MINOR CONTOUR
- (E) MAJOR CONTOUR
- MINOR CONTOUR
- MAJOR CONTOUR
- RIGHT OF WAY
- (E) FACE OF CURB
- FACE OF CURB
- PROPOSED FLOOD ZONE A
- PROPOSED FLOOD ZONE X
- OPEN SPACE
- RAILWAY
- OVERLAND FLOW DIRECTION
- EXISTING BUILDING TO REMAIN

INFRASTRUCTURE PLANS  
DOWNTOWN WEST  
San Jose, California

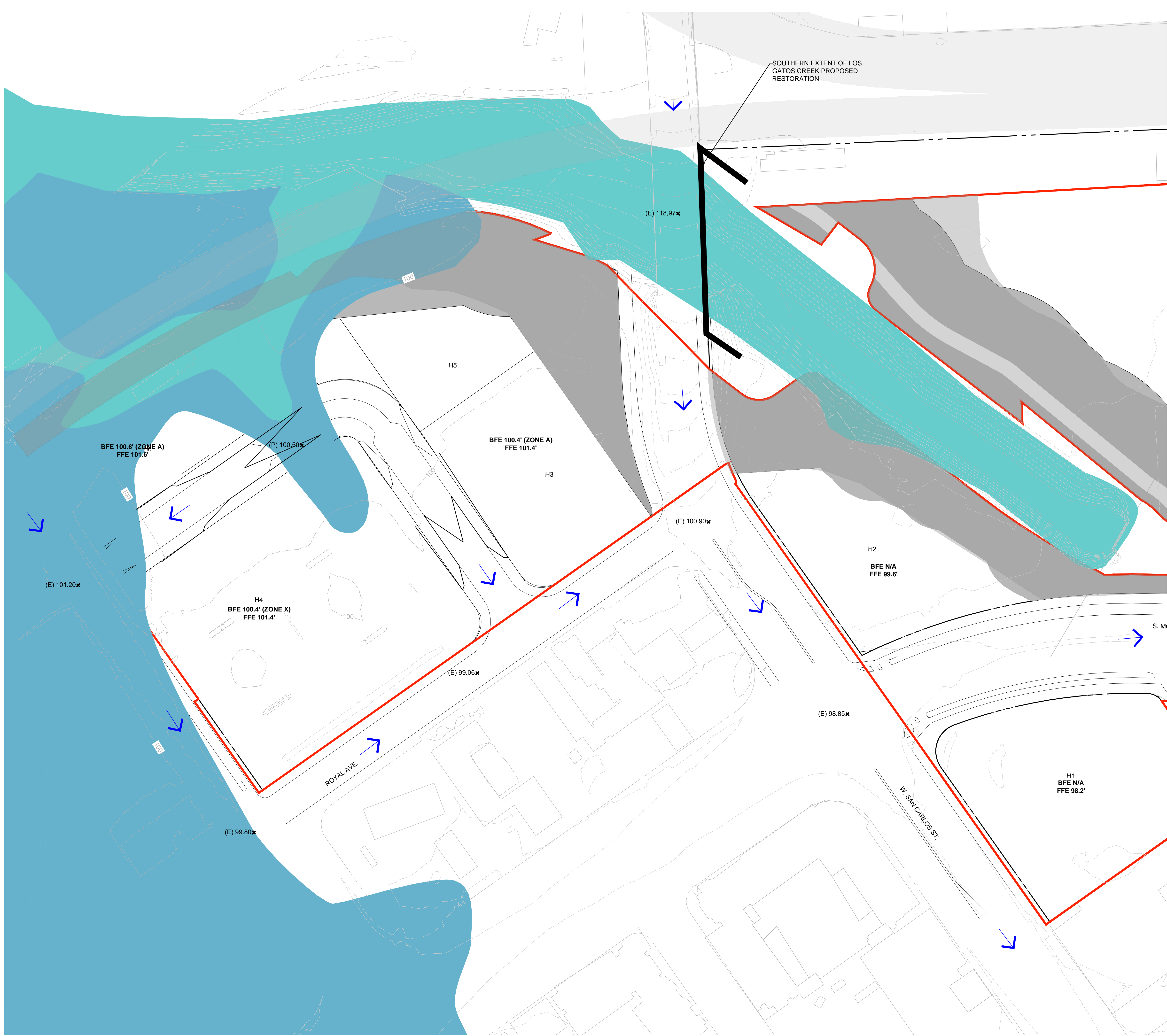
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SCALE:		
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GRADING PLAN  
KEYMAP

C2.0



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LEGEND	
DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
MINOR CONTOUR	
MAJOR CONTOUR	
RIGHT OF WAY	
(E) FACE OF CURB	
FACE OF CURB	
PROPOSED FLOOD ZONE A	
PROPOSED FLOOD ZONE X	
OPEN SPACE	
RAILWAY	
OVERLAND FLOW DIRECTION	
EXISTING BUILDING TO REMAIN	

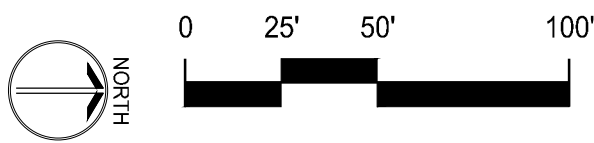
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DOWNTOWN WEST  
San Jose, California

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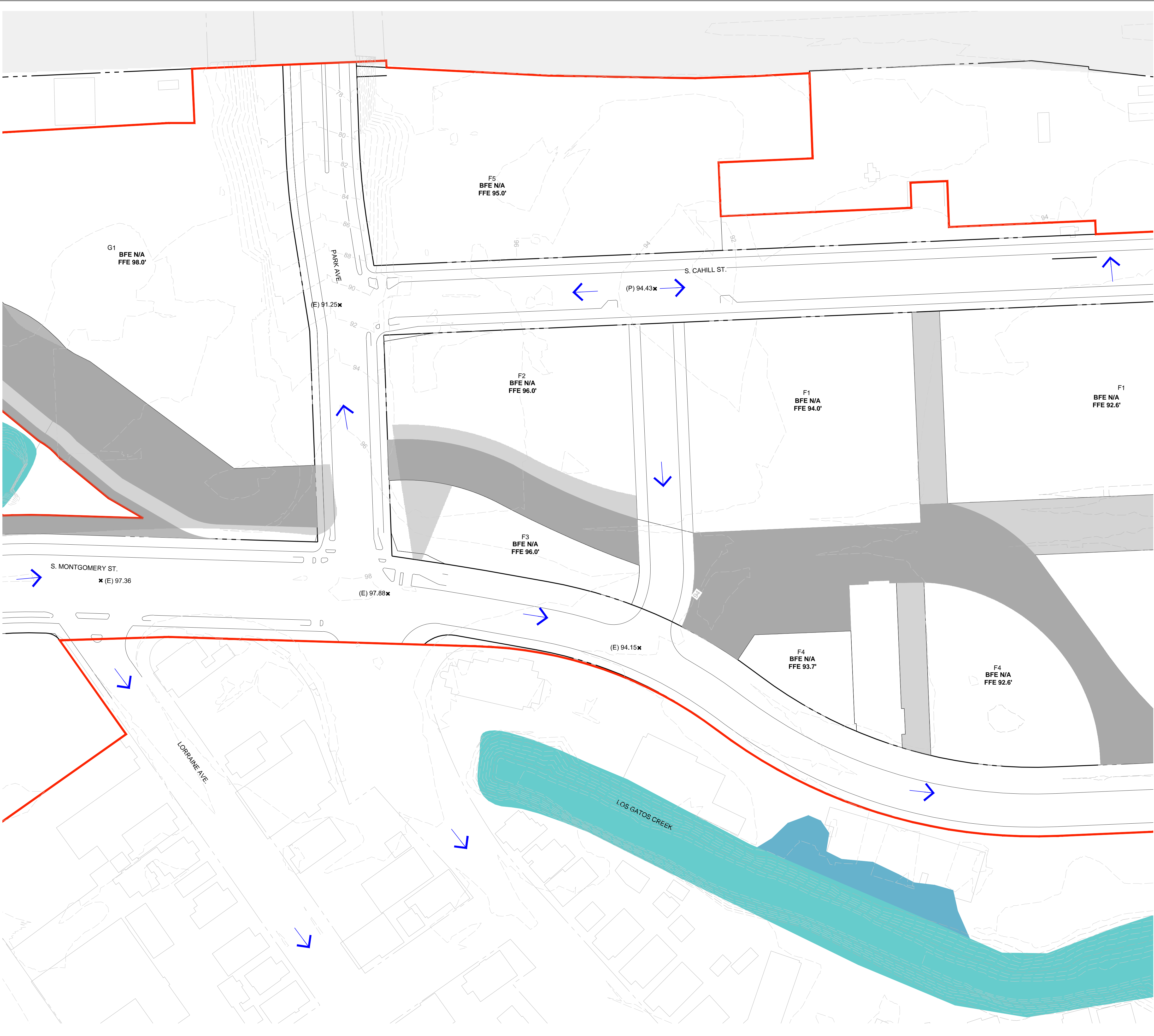
GRADING PLAN

C2.1





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LEGEND	
DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
MINOR CONTOUR	
MAJOR CONTOUR	
RIGHT OF WAY	
(E) FACE OF CURB	
FACE OF CURB	
PROPOSED FLOOD ZONE A	
PROPOSED FLOOD ZONE X	
OPEN SPACE	
RAILWAY	
OVERLAND FLOW DIRECTION	
EXISTING BUILDING TO REMAIN	

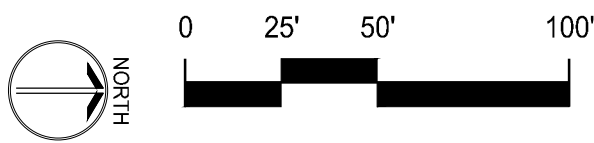
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INFRASTRUCTURE PLANS  
DOWNTOWN WEST  
San Jose, California

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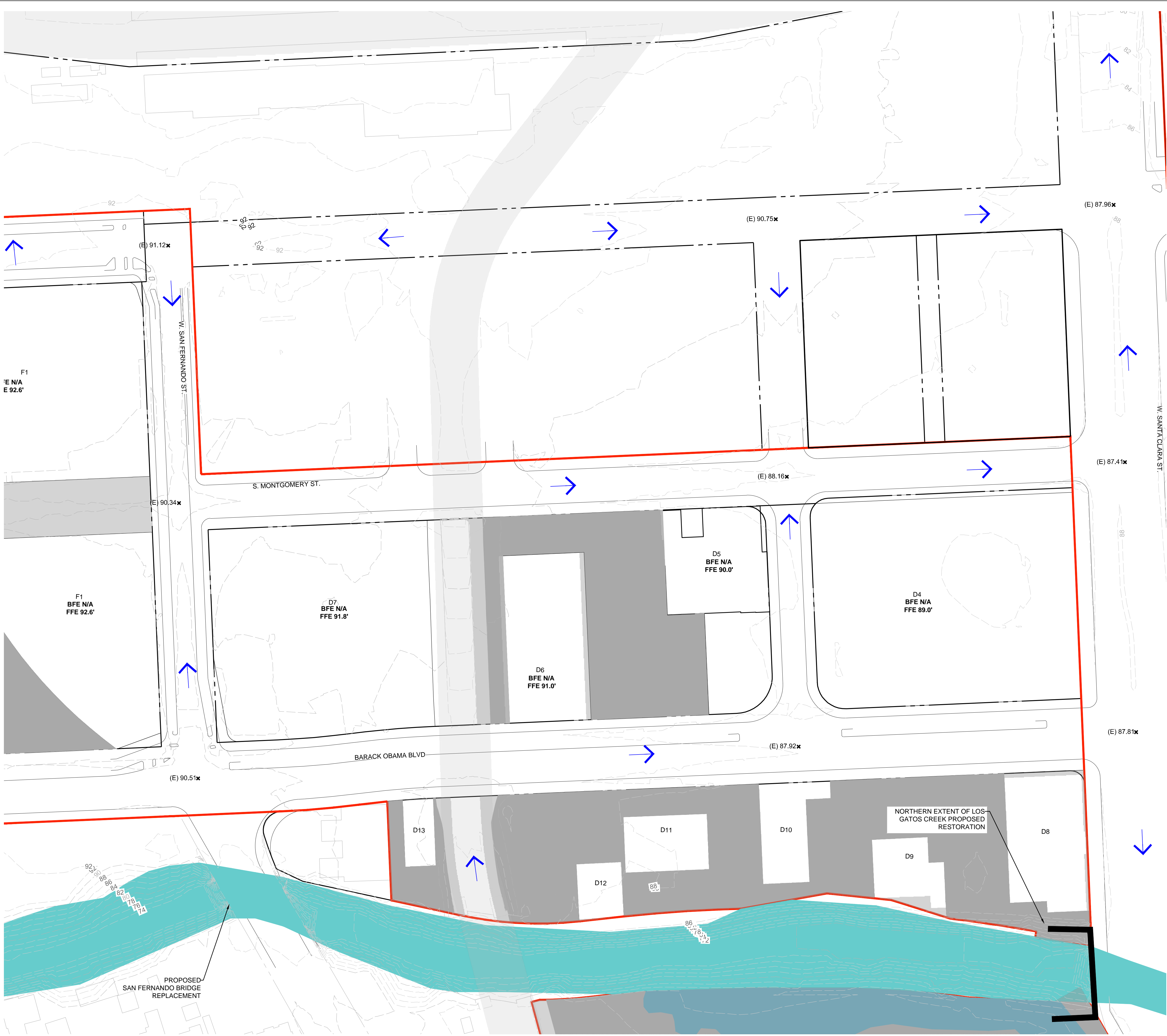
GRADING PLAN

C2.2





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LEGEND	
DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
MINOR CONTOUR	
MAJOR CONTOUR	
RIGHT OF WAY	
(E) FACE OF CURB	
FACE OF CURB	
PROPOSED FLOOD ZONE A	
PROPOSED FLOOD ZONE X	
OPEN SPACE	
RAILWAY	
OVERLAND FLOW DIRECTION	
EXISTING BUILDING TO REMAIN	

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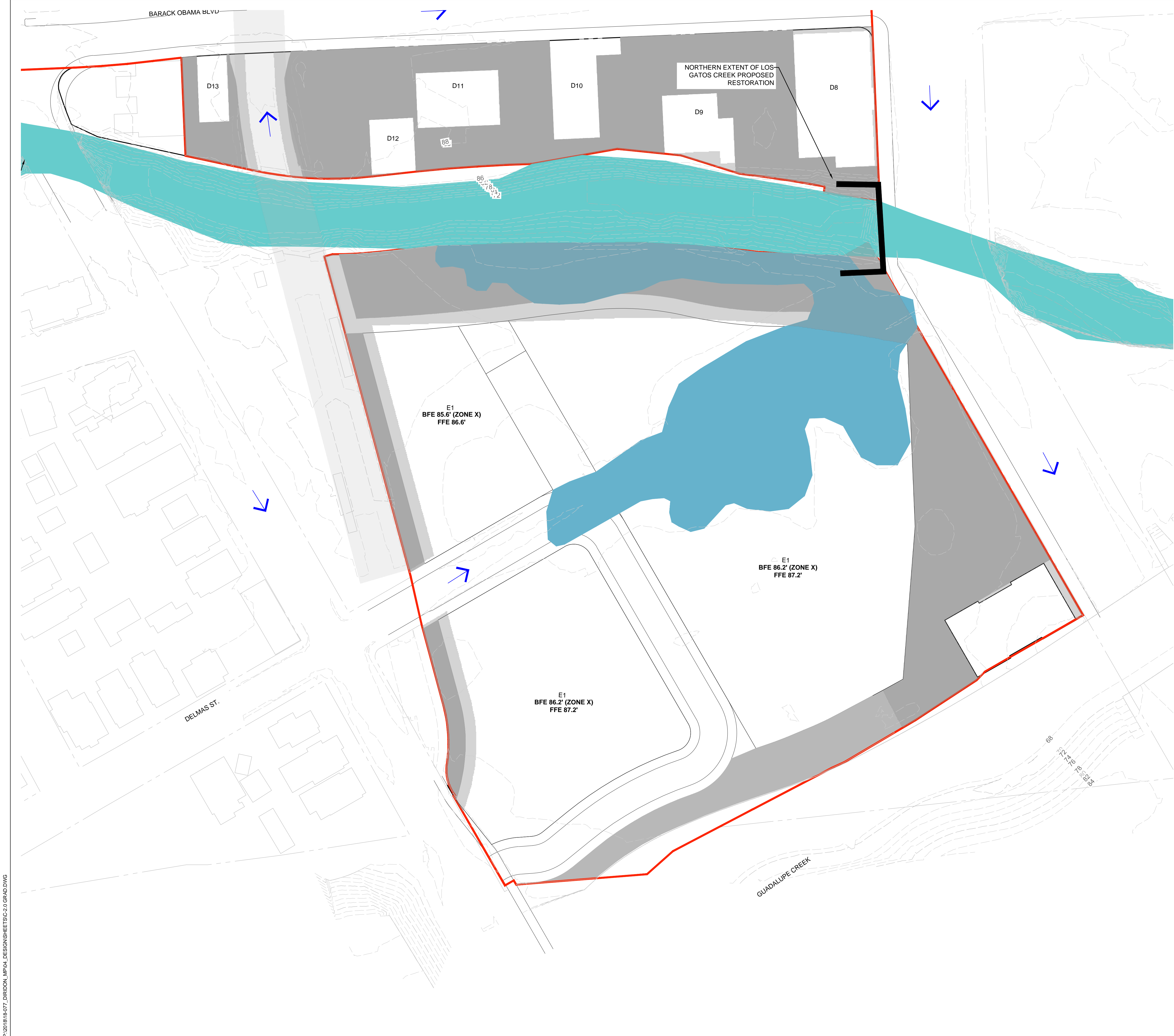
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DOWNTOWN WEST  
San Jose, California

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1	BB	CHECKED BY:
1	31 MARCH 2021	DATE:
1		SCALE:
1		SHERWOOD DESIGN ENGINEERS

GRADING PLAN

C2.3





LEGEND	
DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
MINOR CONTOUR	
MAJOR CONTOUR	
RIGHT OF WAY	
(E) FACE OF CURB	
FACE OF CURB	
PROPOSED FLOOD ZONE A	
PROPOSED FLOOD ZONE X	
OPEN SPACE	
RAILWAY	
OVERLAND FLOW DIRECTION	
EXISTING BUILDING TO REMAIN	

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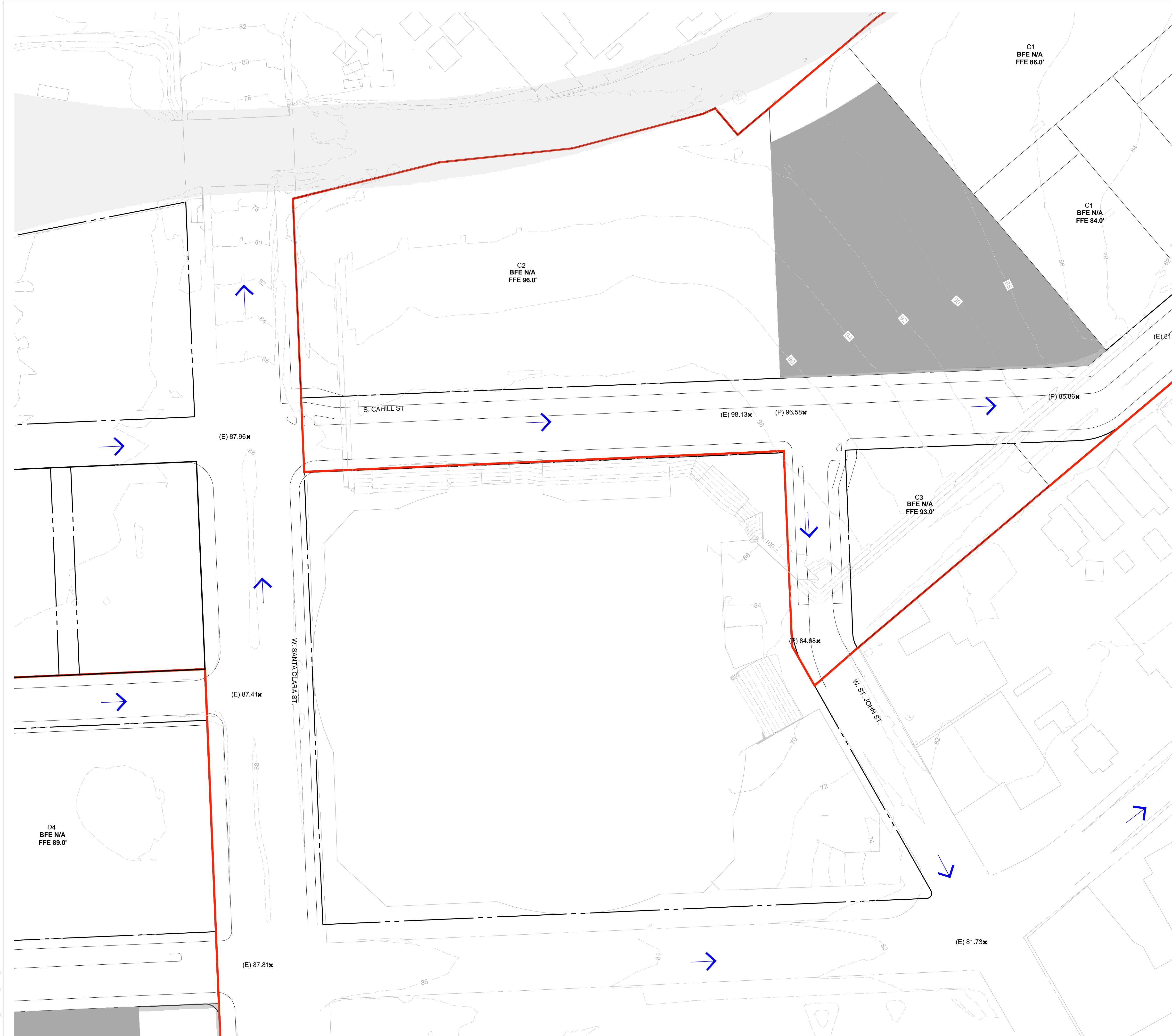
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SCALE:		
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GRADING PLAN

C2.4





## LEGEND

DEVELOPMENT BOUNDARY

(E) MINOR CONTOUR

(E) MAJOR CONTOUR

MINOR CONTOUR

MAJOR CONTOUR

RIGHT OF WAY

(E) FACE OF CURB

FACE OF CURB

FACE OF CURB  
PROPOSED FLOOD ZONE A

PROPOSED FLOOD ZONE X

OPEN SPACE

OPEN SPACE  
RAILWAY

RAILWAY  
OVERLAND FLOW DIRECTION

OVERLAND FLOW DIRECTION  
EXISTING BUILDING TO REMAIN

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 **SHERWOOD**  
DESIGN ENGINEERS  
2548 Mission Street  
San Francisco, CA 94110  
[www.sherwoodengineers.com](http://www.sherwoodengineers.com)

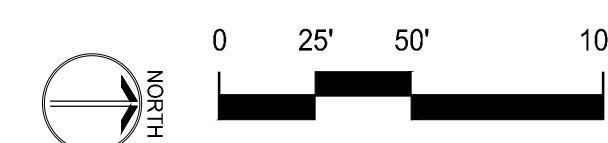
INFRASTRUCTURE PLANS

DOWNTOWN WEST  
San Jose, California

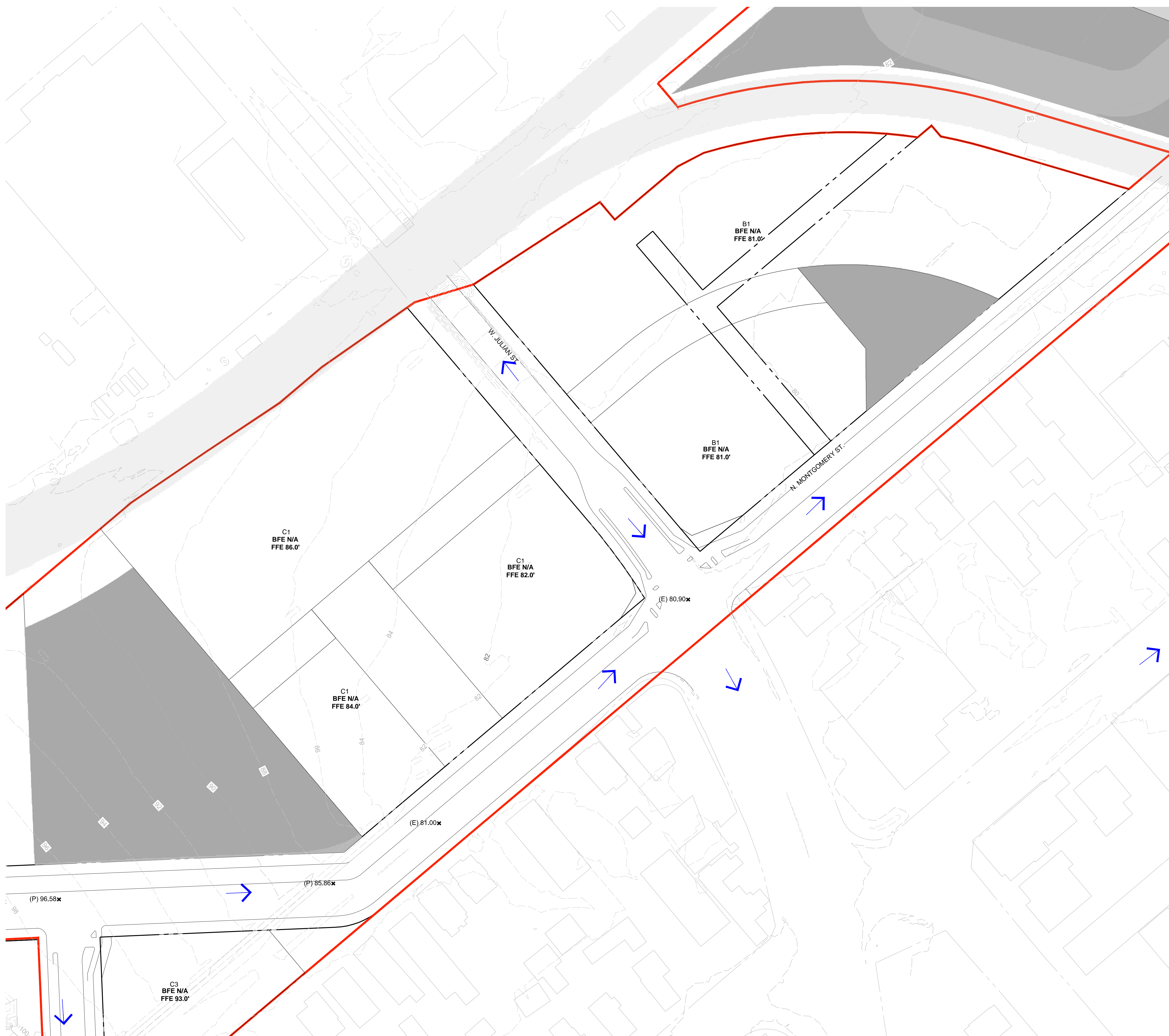
		
		
		
		
		
		
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<b>CHECKED BY:</b>		BS
<b>DATE:</b>		31 MARCH 2021
<b>SCALE:</b>		
 <b>SIERWOOD DESIGN ENGINEERS</b>		

## GRADING PLAN

## C2.5







## LEGEND

DEVELOPMENT BOUNDARY

(E) MINOR CONTOUR

(E) MAJOR CONTOUR

MINOR CONTOUR

MAJOR CONTOUR

## RIGHT OF WAY

(E) FACE OF CURB

FACE OF CURB

PROPOSED FLOOD ZONE A

PROPOSED FLOOD ZONE X

OPEN SPACE

RAILWAY

OVERLAND FLOW DIRECTION







EXISTING BUILDING TO REMAIN

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## INFRASTRUCTURE PLANS

**DOWNTOWN WEST**  
San Jose, California

		
		
		
		
		
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 SHERWOOD DESIGN ENGINEERS		

## GRADING PLAN

## C2.6



P:\2018\18-077 DIRIDON, MP04, DESIGNSHEETS\C2.0 GRAD.DWG



#### LEGEND

DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
MINOR CONTOUR	
MAJOR CONTOUR	
RIGHT OF WAY	
(E) FACE OF CURB	
FACE OF CURB	
PROPOSED FLOOD ZONE A	
PROPOSED FLOOD ZONE X	
OPEN SPACE	
RAILWAY	
OVERLAND FLOW DIRECTION	
EXISTING BUILDING TO REMAIN	

#### NOTES

1. THE PROPOSED FLOOD ZONE AND BASE FLOOD ELEVATIONS (BFEs) ARE DEFINED BY THE CREEK MITIGATIONS AND MODIFICATIONS AS DESCRIBED IN THE DOWNTOWN WEST INFRASTRUCTURE PLAN.
2. IN AREAS WITH A DEFINED BFE, THE FINISH FLOOD ELEVATIONS (FFE) REPRESENT THE MINIMUM ELEVATION ALLOWED. IN AREAS WITHOUT A DEFINED BFE, FINISH FLOOR ELEVATIONS (FFE) ARE APPROXIMATE. FFEs WILL BE FURTHER DETERMINED IN FUTURE DESIGN PHASES.
3. A DETAILED FLOOD ANALYSIS WILL BE REQUIRED IN SUBSEQUENT DESIGN PHASES FOR ANY PROPOSED BUILDINGS WHICH ARE LOCATED WITHIN FLOOD ZONE A, IN ORDER TO DETERMINE THE FINAL SITE GRADING AND FINISHED FLOOR ELEVATION(S).

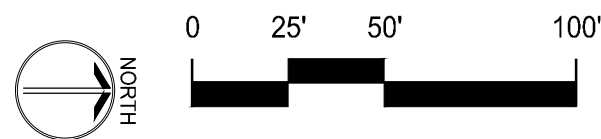
## INFRASTRUCTURE PLANS

### DOWNTOWN WEST San Jose, California

NO	DATE	DESCRIPTION
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CAD DWG FILE:	C-2.0 GRAD.DWG	
DESIGNED BY:	AG	
DRAWN BY:	CQ	
CHECKED BY:	BB	
DATE:	31 MARCH 2021	
SCALE:		
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## GRADING PLAN

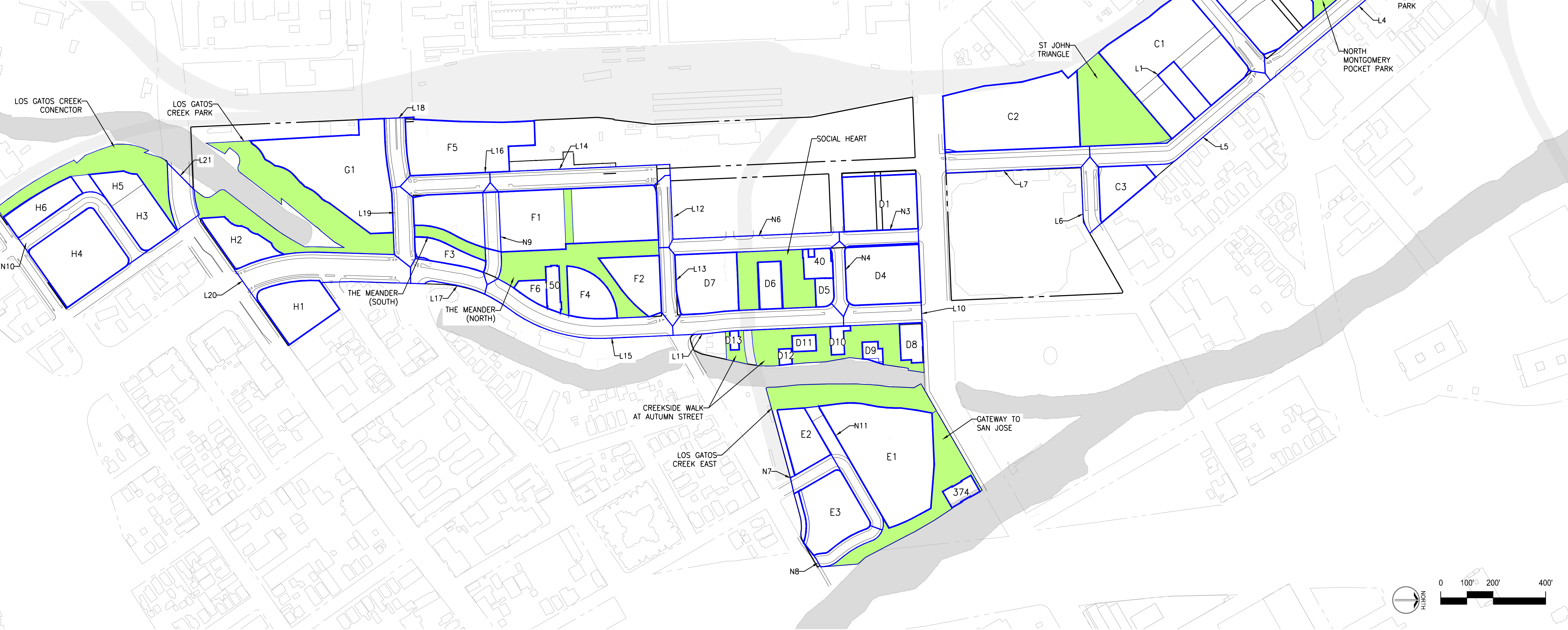
C2.7





P:\2018\18-077 DIRIDON, MP04, DESIGNSHEETS\C3.1 SWMP.DWG

Streets			Parcels			Open Space			Additional Development Area		
DMA ID	Area (sf)	% Impervious	Treatment Area (sf)	ID	Area (sf)	% Impervious	Treatment Area (sf)	ID	Area (sf)	% Impervious	Treatment Area (sf)
L1	17,631	100	705	A1	297,494	100%	11,900	Los Gatos Creek Connector	57,214	40%	915
L2	53,593	95%	2,038	B1	144,596	100%	5,784	Los Gatos Creek Park	108,490	45%	1,953
L4	60,661	87%	2,107	C1	149,381	100%	5,975	The Meander (South)	12,611	85%	429
L5	57,352	82%	1,875	C2	130,846	100%	5,234	The Meander (North)	75,701	85%	2,574
L6	16,682	83%	555	C3	27,733	100%	1,109	Social Heart	44,856	60%	1,077
L7	42,920	79%	1,351	D1	58,604	100%	2,344	Creekside Walk at Autumn Street	65,634	40%	1,050
L10	22,636	77%	694	D4	62,558	100%	2,502	Los Gatos Creek East	50,646	40%	810
L11	48,951	83%	1,631	D5	7,226	100%	289	Gateway to San Jose	52,586	85%	1,788
L12	14,424	92%	529	40	11,608	100%	464	St. John Triangle	76,546	50%	1,531
L13	17,082	92%	632								
L14	50,364	77%	1,555	D6	15,749	100%	630	North Montgomery Pocket Park	15,042	30%	181
L15	55,184	85%	1,885	D7	52,552	100%	2,102	Northend Park	96,796	30%	1,162
L16	24,318	80%	775	D8	12,549	100%	502				
L17	22,754	89%	808	D9	5,203	100%	208				
L18	20,151	81%	654	D10	5,994	100%	240				
L19	21,819	85%	742	D11	5,422	100%	217				
L20	69,415	87%	2,406	D12	2,919	100%	117				
L21	17,640	90%	632	D13	2,398	100%	96				
N2	28,739	100%	1,150	374	8,599	100%	344				
N3	16,325	100%	653	E1	133,286	100%	5,331				
N4	12,906	100%	516	E2	29,555	100%	1,182				
N6	38,134	100%	1,525	E3	54,767	100%	2,191				
N7	11,402	100%	456	F1	184,472	100%	7,379				
N8	13,249	100%	530	F2	34,274	100%	1,371				
N9	21,415	100%	857	F3	17,882	100%	715				
N10	36,735	100%	1,469	F4	28,606	100%	1,144				
N11	26,777	100%	1,071	L50	8,838	100%	354				
Total	839,259		29,801	F5	87,161	100%	3,486				
				F6	8,598	100%	344				
				G1	123,428	100%	4,937				
				H1	46,393	100%	1,856				
				H2	29,187	100%	1,167				
				H3	32,695	100%	1,308				
				H4	78,992	100%	3,160				
				H5	15,721	100%	629				
				H6	27,877	100%	1,115				
				TOTAL	1,943,163		77,726				



NOTES

1. REFER TO ATTACHED STORMWATER EVALUATION FORM FOR ADDITIONAL INFORMATION.

LEGEND

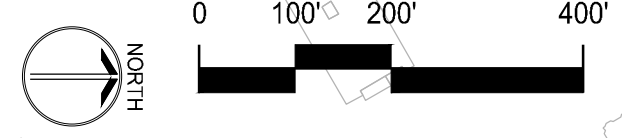
DEVELOPMENT BOUNDARY	---
DEVELOPMENT BLOCKS	---
DMA BOUNDARY	---
OPEN SPACE	Green
RAIL	Grey
CREEK	Blue

INFRASTRUCTURE PLANS  
DOWNTOWN WEST  
San Jose, California

NO	DATE	DESCRIPTION
PROJECT NO.		
CAD DWG FILE:	C-3.1 SWMP.DWG	
DESIGNED BY:	AG	
DRAWN BY:	CQ	
CHECKED BY:	BB	
DATE:	31 MARCH 2021	
SCALE:		
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STORMWATER  
CONTROL PLAN

C3.0





P:\2018\18-077 DIRIDON, MP04, DESIGNSHEETS\C4.0 UTIL.DWG

LEGEND

DEVELOPMENT BOUNDARY

RIGHT OF WAY

FACE OF CURB

GAS LINE

ELECTRIC LINE

JOINT TRENCH

SANITARY SEWER LINE

STORM DRAIN LINE

WATER LINE

FIRE HYDRANT

DEMO ALL (E) UTILITIES IN  
STREET TO BE VACATED

DISTRICT INFRASTRUCTURE  
ZONES

PROPOSED UTILIDOR

RAILWAY

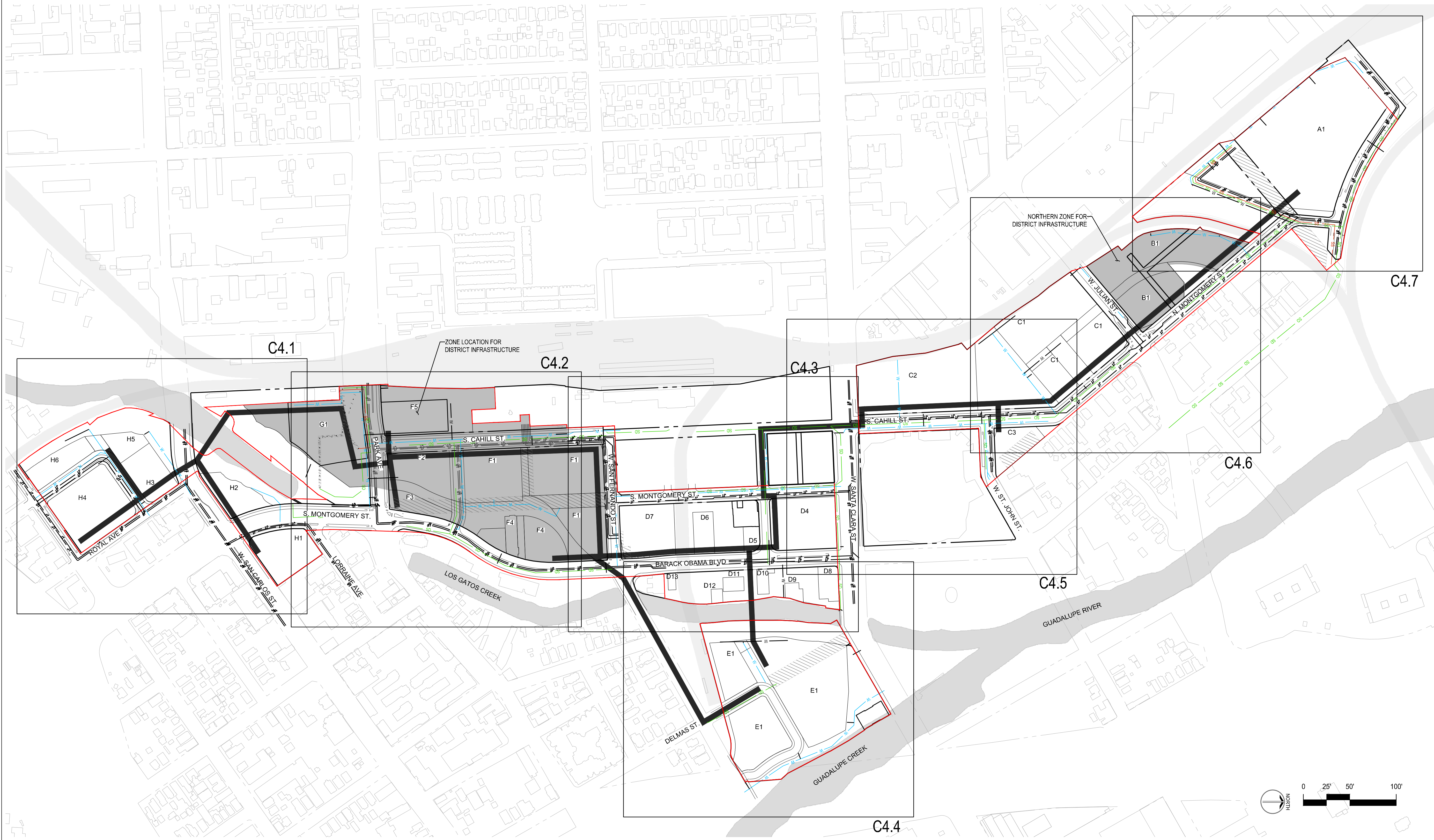
INFRASTRUCTURE PLANS

DOWNTOWN WEST  
San Jose, California

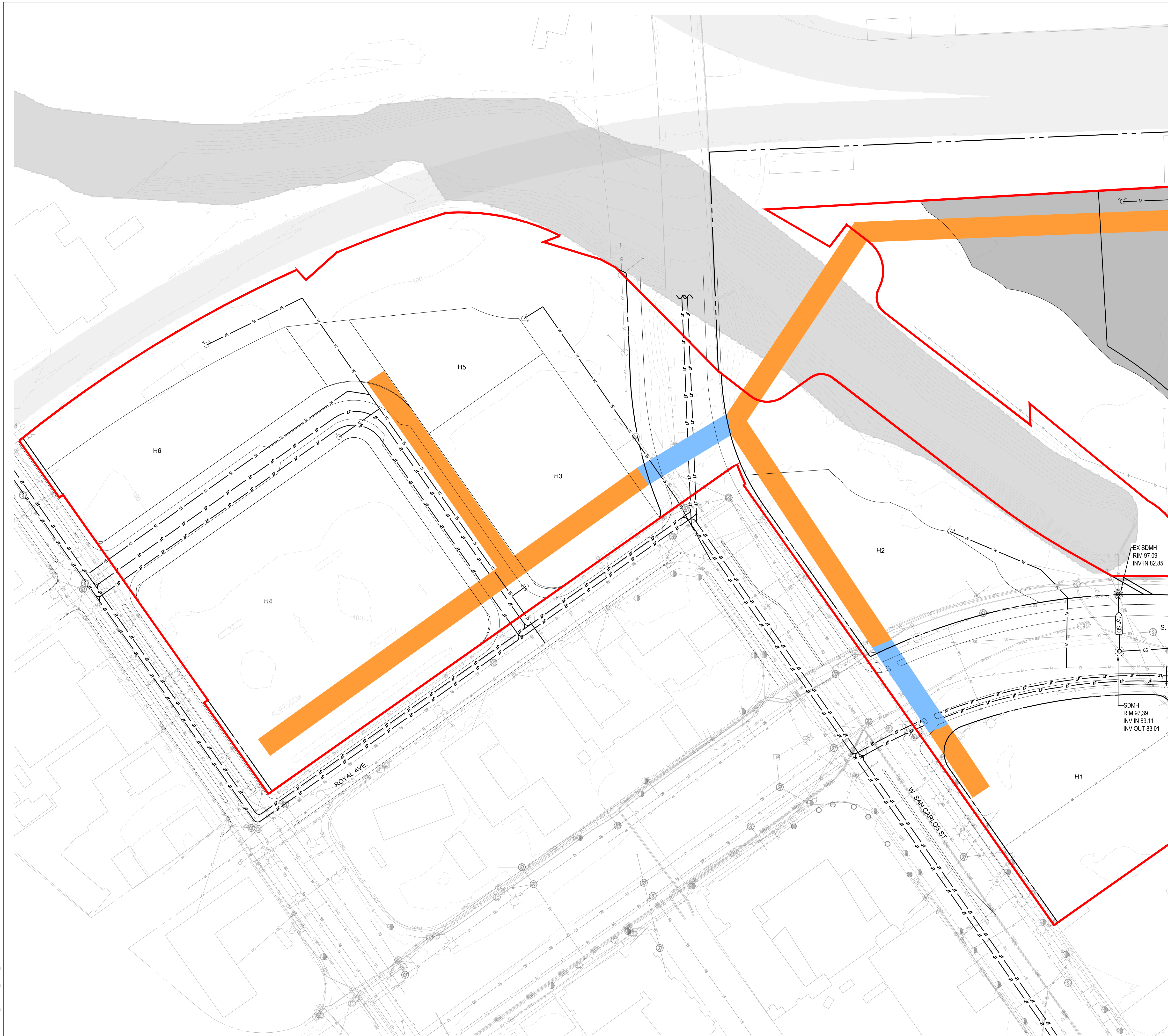
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DESIGNED BY:	AG	
DRAWN BY:	CQ	
CHECKED BY:	BB	
DATE:	31 MARCH 2021	
SCALE:		
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UTILITY PLAN  
KEYMAP

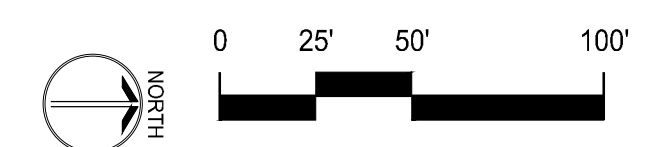
C4.0







<b>LEGEND</b>	
DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
RIGHT OF WAY	
(E) FACE OF CURB	
FACE OF CURB	
DEMO UTILITY LINE	
(E) COMMUNICATIONS LINE	
(E) ELECTRIC LINE	
(E) GAS LINE	
(E) OVERHEAD LINE	
(E) SANITARY SEWER LINE	
(E) STORM DRAIN LINE	
(E) WATER LINE	
GAS LINE	
ELECTRIC LINE	
JOINT TRENCH	
SANITARY SEWER LINE	
STORM DRAIN LINE	
WATER LINE	
(E) FIRE HYDRANT	
(E) ELECTRICAL POLE	
(E) ELECTRICAL PULL BOX	
(E) UTILITY POLE	
(E) SANITARY SEWER CLEANOUT	
(E) SANITARY SEWER MANHOLE	
(E) STORM DRAIN CLEAN OUT	
(E) STORM DRAIN MANHOLE	
(E) WATER METER	
(E) WATER VALVE	
FIRE HYDRANT	
SANITARY SEWER MANHOLE	
STORM DRAIN CLEANOUT	
STORM DRAIN MANHOLE	
DEMO ALL (E) UTILITIES IN STREET TO BE VACATED	
DISTRICT INFRASTRUCTURE ZONES	
PROPOSED UTILIDOR	
PROPOSED UTILIDOR WITHIN PUBLIC ROW, SEE MAJOR ENCROACHMENT PERMIT	
RAILWAY	




INFRASTRUCTURE PLANS

DOWNTOWN WEST

San Jose, California

DOWNTOWN WEST  
San Jose, California

San Jose, California

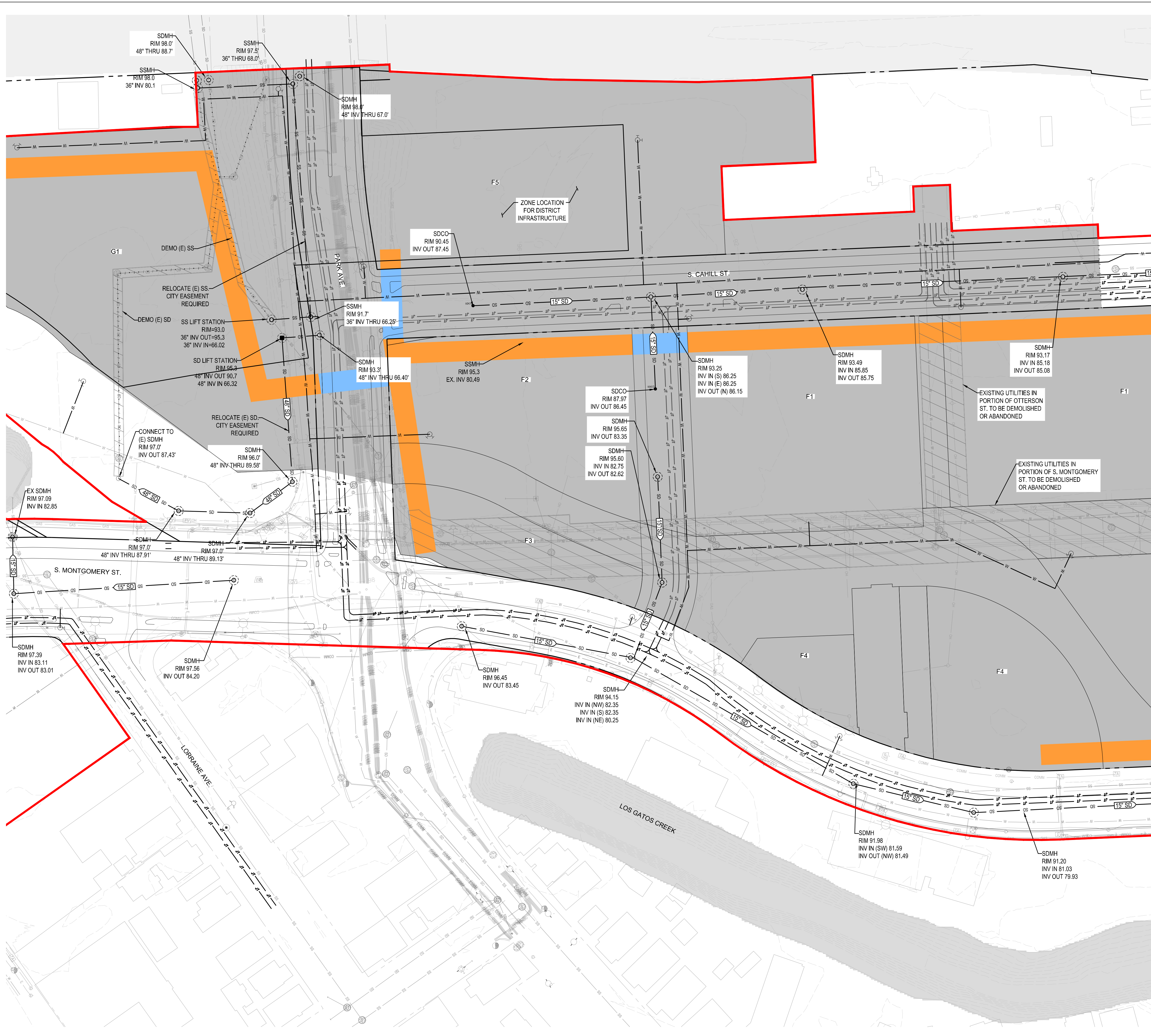
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DESIGNED BY:		AG
DRAWN BY:		CQ
CHECKED BY:		BB
DATE:		31 MARCH 2021
SCALE:		
 SHERWOOD DESIGN ENGINEERS		

## UTILITY PLAN

## C4.1



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**LEGEND**

DEVELOPMENT BOUNDARY  
(E) MINOR CONTOUR  
(E) MAJOR CONTOUR  
RIGHT OF WAY  
(E) FACE OF CURB  
FACE OF CURB  
DEMO UTILITY LINE  
(E) COMMUNICATIONS LINE  
(E) ELECTRIC LINE  
(E) GAS LINE  
(E) OVERHEAD LINE  
(E) SANITARY SEWER LINE  
(E) STORM DRAIN LINE  
(E) WATER LINE  
GAS LINE  
ELECTRIC LINE  
JOINT TRENCH  
SANITARY SEWER LINE  
STORM DRAIN LINE  
WATER LINE

(E) FIRE HYDRANT

(E) ELECTRICAL POLE

(E) ELECTRICAL PULL BOX

(E) UTILITY POLE

(E) SANITARY SEWER CLEANOUT

(E) SANITARY SEWER MANHOLE

(E) STORM DRAIN CLEAN OUT

(E) STORM DRAIN MANHOLE

(E) WATER METER

(E) WATER VALVE

FIRE HYDRANT

SANITARY SEWER MANHOLE

STORM DRAIN CLEANOUT

STORM DRAIN MANHOLE

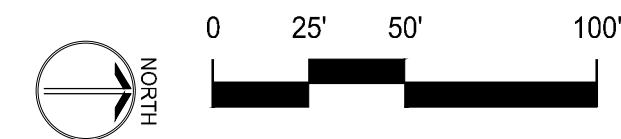
DEMO ALL (E) UTILITIES IN STREET TO BE VACATED

DISTRICT INFRASTRUCTURE ZONES

PROPOSED UTILIDOR

PROPOSED UTILIDOR WITHIN PUBLIC ROW. SEE MAJOR ENCROACHMENT PERMIT

RAILWAY



2548 Mission Street  
San Francisco, CA 94110  
www.sherwoodengineers.com

# INFRASTRUCTURE PLANS

## DOWNTOWN WEST

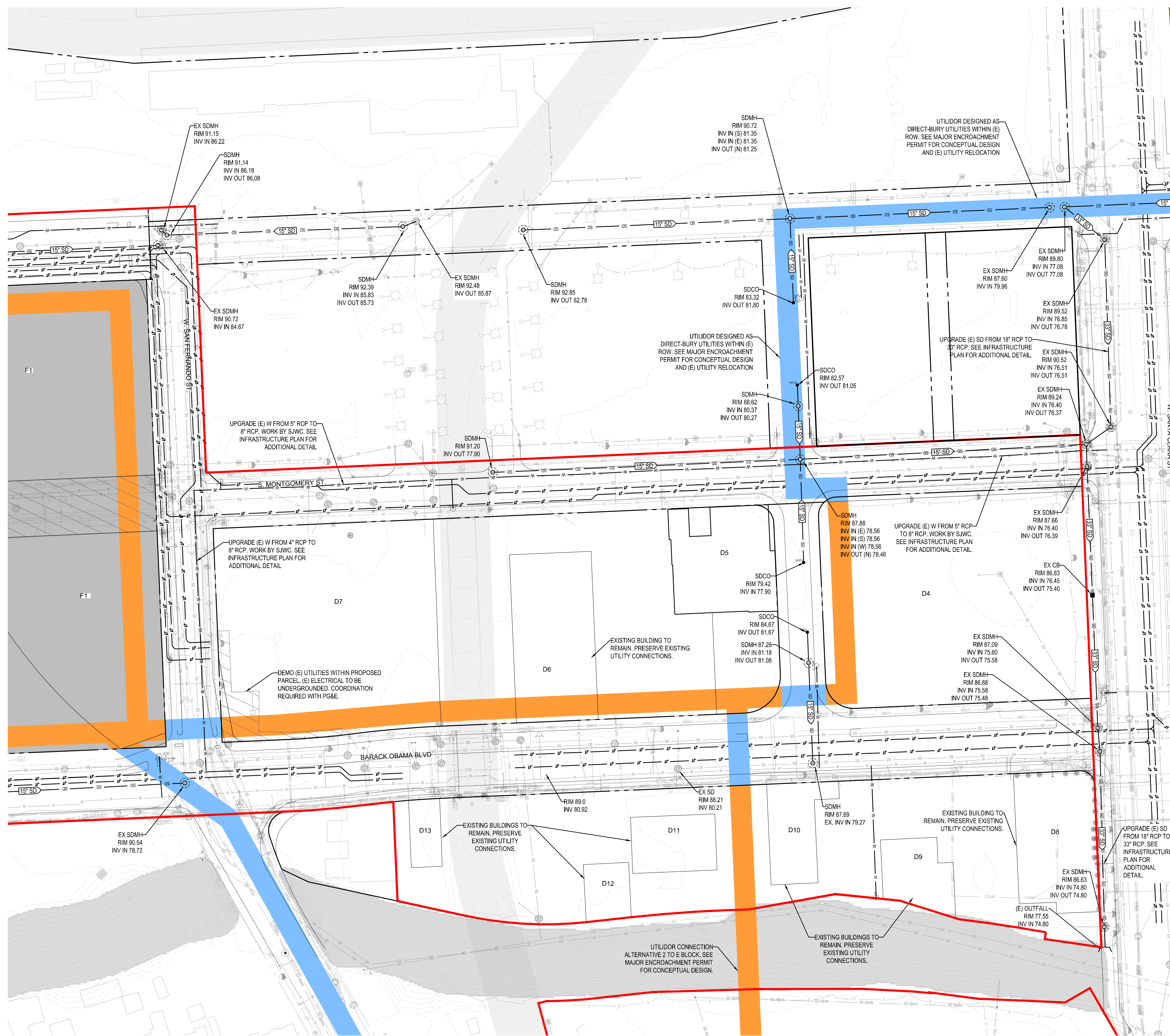
### San Jose, California

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	AG	DESIGNED BY:
	CQ	DRAWN BY:
	BB	CHECKED BY:
	31 MARCH 2021	DATE:
		SCALE:
		SHERWOOD DESIGN ENGINEERS








### UTILITY PLAN

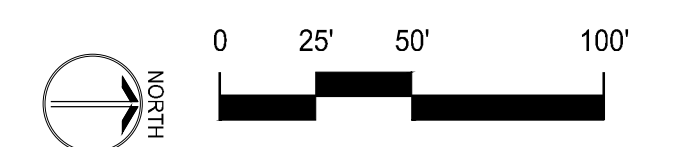
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LEGEND	
DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
RIGHT OF WAY	
(E) FACE OF CURB	
FACE OF CURB	
DEMO UTILITY LINE	
(E) COMMUNICATIONS LINE	
(E) ELECTRIC LINE	
(E) GAS LINE	
(E) OVERHEAD LINE	
(E) SANITARY SEWER LINE	
(E) STORM DRAIN LINE	
(E) WATER LINE	
GAS LINE	
ELECTRIC LINE	
JOINT TRENCH	
SANITARY SEWER LINE	
STORM DRAIN LINE	
WATER LINE	
(E) FIRE HYDRANT	
(E) ELECTRICAL POLE	
(E) ELECTRICAL PULL BOX	
(E) UTILITY POLE	
(E) SANITARY SEWER CLEANOUT	
(E) SANITARY SEWER MANHOLE	
(E) STORM DRAIN CLEAN OUT	
(E) STORM DRAIN MANHOLE	
(E) WATER METER	
(E) WATER VALVE	
FIRE HYDRANT	
SANITARY SEWER MANHOLE	
STORM DRAIN CLEANOUT	
STORM DRAIN MANHOLE	
DEMO ALL (E) UTILITIES IN STREET TO BE VACATED	
DISTRICT INFRASTRUCTURE ZONES	
PROPOSED UTILIDOR	
PROPOSED UTILIDOR WITHIN PUBLIC ROW, SEE MAJOR ENCROACHMENT PERMIT	
RAILWAY	

 <b>SHERWOOD</b> DESIGN ENGINEERS 2548 Mission Street San Francisco, CA 94110 www.sherwoodengineers.com		
INFRASTRUCTURE PLANS		
DOWNTOWN WEST		
San Jose, California		
		
		
		
		
		
		
NO	DATE	DESCRIPTION
PROJECT NO:		18-077
CAD DWG FILE:		C-4.0 UTIL.DWG
DESIGNED BY:		AG
DRAWN BY:		CQ
CHECKED BY:		BB
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SCALE:		
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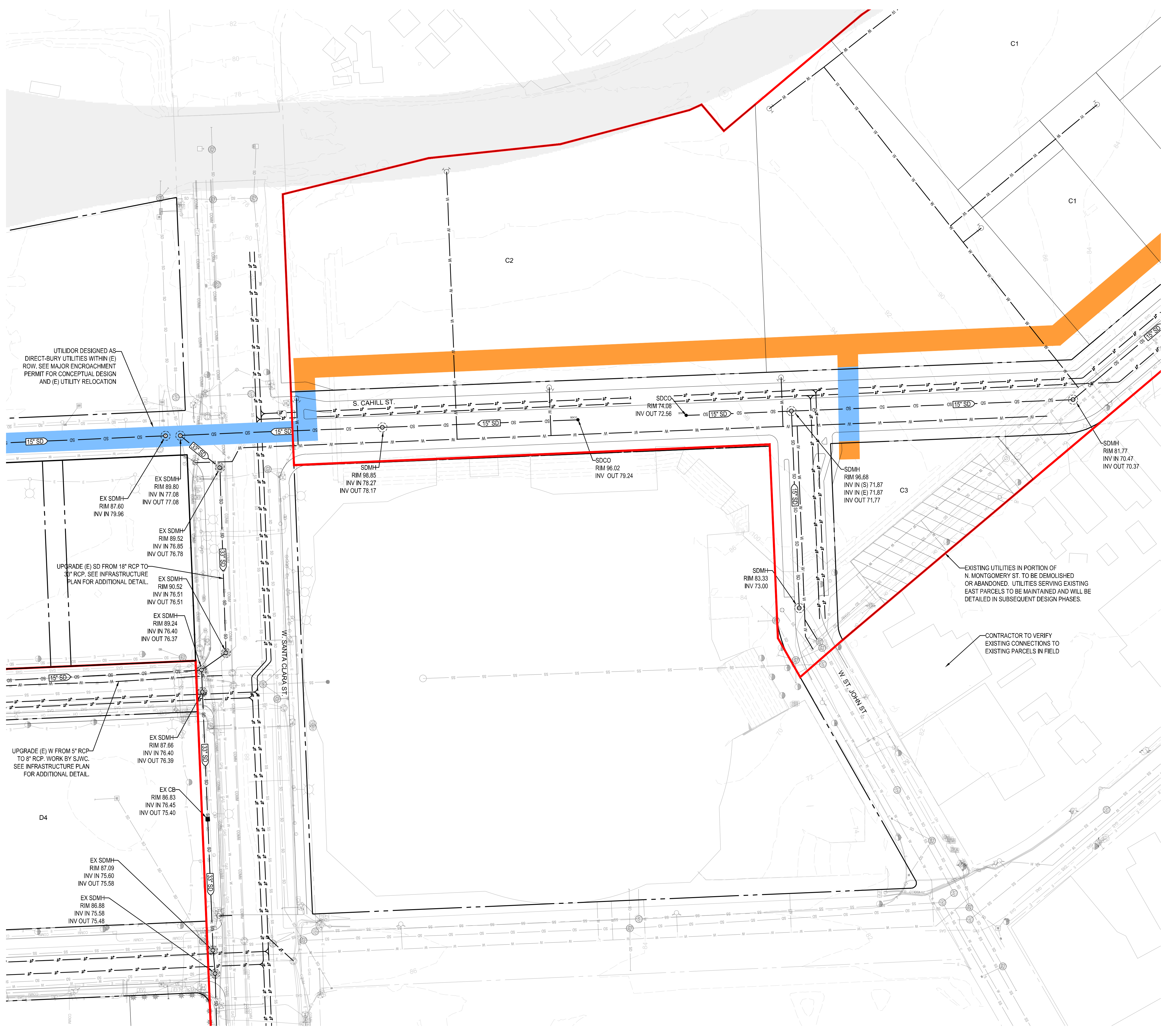








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**LEGEND**

DEVELOPMENT BOUNDARY  
(E) MINOR CONTOUR  
(E) MAJOR CONTOUR  
RIGHT OF WAY  
(E) FACE OF CURB  
FACE OF CURB  
DEMO UTILITY LINE  
(E) COMMUNICATIONS LINE  
(E) ELECTRIC LINE  
(E) GAS LINE  
(E) OVERHEAD LINE  
(E) SANITARY SEWER LINE  
(E) STORM DRAIN LINE  
(E) WATER LINE  
GAS LINE  
ELECTRIC LINE  
JOINT TRENCH  
SANITARY SEWER LINE  
STORM DRAIN LINE  
WATER LINE

(E) FIRE HYDRANT

(E) ELECTRICAL POLE

(E) ELECTRICAL PULL BOX

(E) UTILITY POLE

(E) SANITARY SEWER CLEANOUT

(E) SANITARY SEWER MANHOLE

(E) STORM DRAIN CLEAN OUT

(E) STORM DRAIN MANHOLE

(E) WATER METER

(E) WATER VALVE

FIRE HYDRANT

SANITARY SEWER MANHOLE

STORM DRAIN CLEANOUT

STORM DRAIN MANHOLE

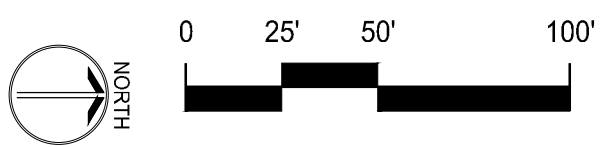
DEMO ALL (E) UTILITIES IN STREET TO BE VACATED

DISTRICT INFRASTRUCTURE ZONES

PROPOSED UTLIDOR

PROPOSED UTLIDOR WITHIN PUBLIC ROW. SEE MAJOR ENCROACHMENT PERMIT

RAILWAY



**INFRASTRUCTURE PLANS**  
**DOWNTOWN WEST**  
**San Jose, California**

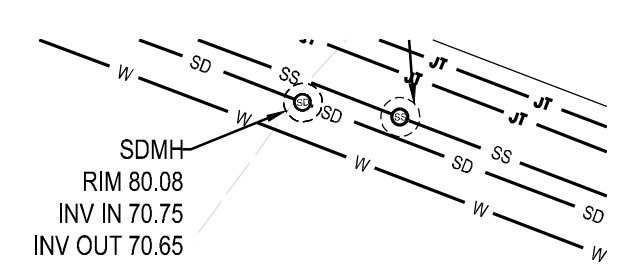
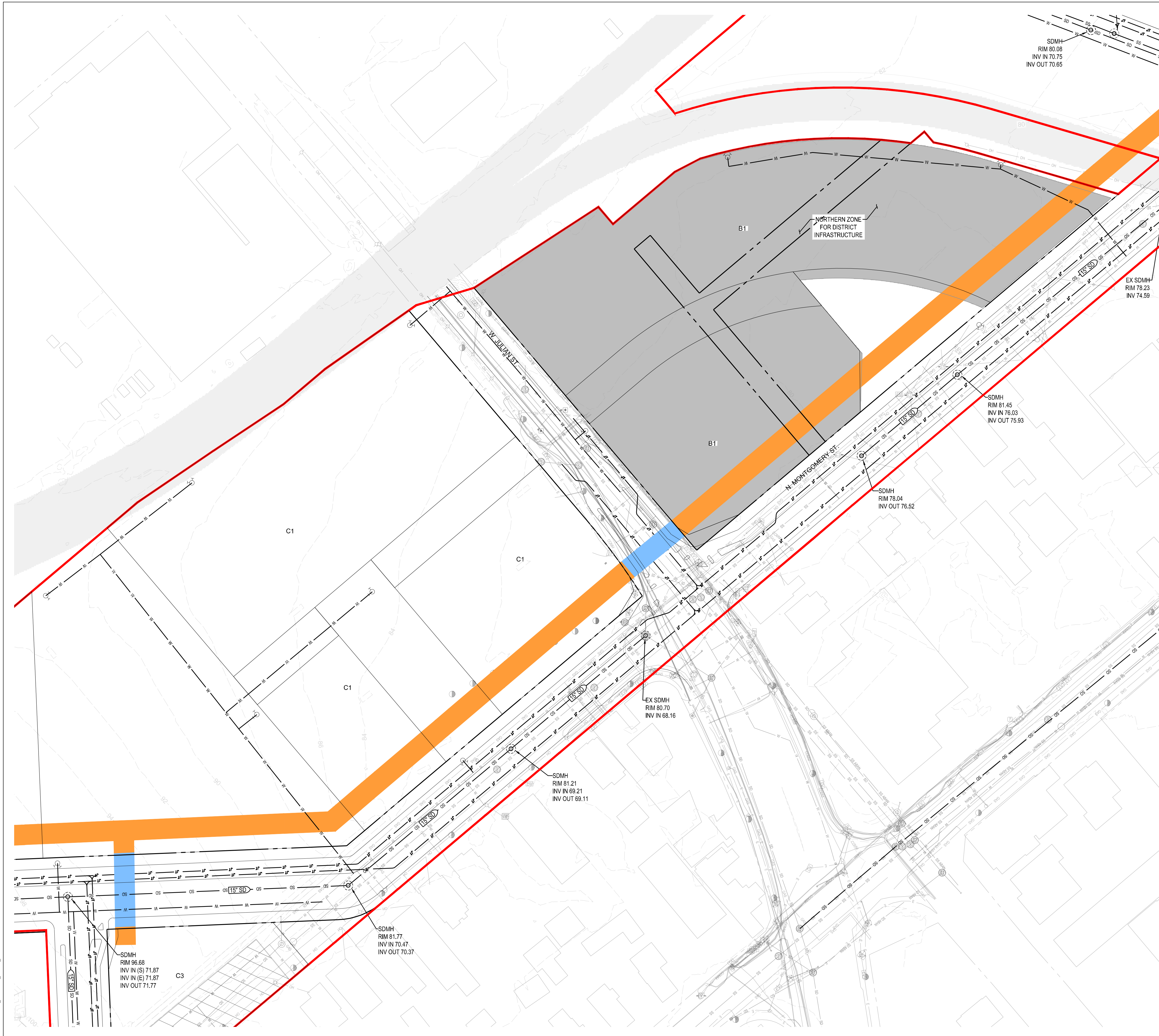
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DRAWN BY:	CQ	
CHECKED BY:	BB	
DATE:	31 MARCH 2021	
SCALE:		
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UTILITY PLAN

C4.5



P:\2018\18-077 DIRIDON, MP04, DESIGNSHEETS\C-4.0 UTIL.DWG



**LEGEND**

DEVELOPMENT BOUNDARY  
(E) MINOR CONTOUR  
(E) MAJOR CONTOUR  
RIGHT OF WAY  
(E) FACE OF CURB  
FACE OF CURB  
DEMO UTILITY LINE  
(E) COMMUNICATIONS LINE  
(E) ELECTRIC LINE  
(E) GAS LINE  
(E) OVERHEAD LINE  
(E) SANITARY SEWER LINE  
(E) STORM DRAIN LINE  
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GAS LINE  
ELECTRIC LINE  
JOINT TRENCH  
SANITARY SEWER LINE  
STORM DRAIN LINE  
WATER LINE  
(E) FIRE HYDRANT  
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(E) WATER METER  
(E) WATER VALVE  
FIRE HYDRANT  
SANITARY SEWER MANHOLE  
STORM DRAIN CLEANOUT  
STORM DRAIN MANHOLE  
DEMO ALL (E) UTILITIES IN STREET TO BE VACATED  
DISTRICT INFRASTRUCTURE ZONES  
PROPOSED UTILIDOR  
PROPOSED UTILIDOR WITHIN PUBLIC ROW. SEE MAJOR ENCROACHMENT PERMIT  
RAILWAY



**INFRASTRUCTURE PLANS**  
**DOWNTOWN WEST**  
**San Jose, California**

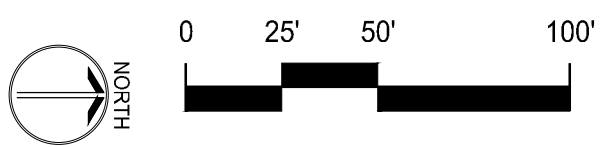
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CHECKED BY:	BB	
DATE:	31 MARCH 2021	
SCALE:		
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LEGEND	
DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
RIGHT OF WAY	
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FACE OF CURB	
DEMO UTILITY LINE	
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ELECTRIC LINE	
JOINT TRENCH	
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STORM DRAIN LINE	
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FIRE HYDRANT	
SANITARY SEWER MANHOLE	
STORM DRAIN CLEANOUT	
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DEMO ALL (E) UTILITIES IN STREET TO BE VACATED	
DISTRICT INFRASTRUCTURE ZONES	
PROPOSED UTILIDOR	
PROPOSED UTILIDOR WITHIN PUBLIC ROW. SEE MAJOR ENCROACHMENT PERMIT	
RAILWAY	



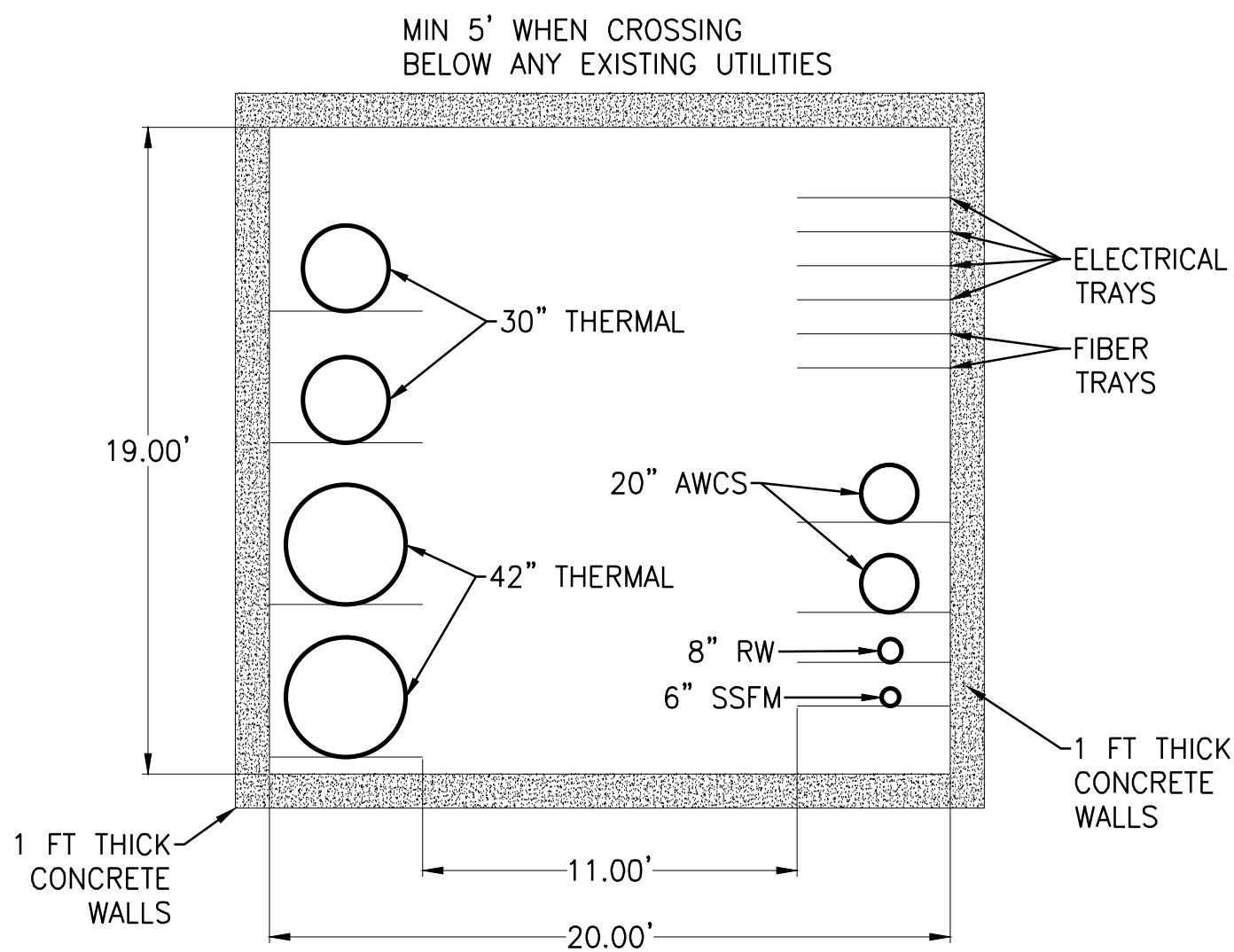
INFRASTRUCTURE PLANS  
DOWNTOWN WEST  
San Jose, California

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4	CQ	DRAWN BY:
5	BB	CHECKED BY:
6	31 MARCH 2021	DATE:
7		SCALE:
8		SHERWOOD DESIGN ENGINEERS

UTILITY PLAN

C4.7





1 CONCEPTUAL UTILIDOR TUNNEL SECTION  
SCALE: NTS

INFRASTRUCTURE PLANS  
DOWNTOWN WEST  
San Jose, California

△		
△		
△		
△		
△		

NO	DATE	DESCRIPTION
PROJECT NO:		
CAD DWG FILE: C-5.0 DETAILS.DWG		
DESIGNED BY: AG		
DRAWN BY: CQ		
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DATE: 31 MARCH 2021		
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DETAILS

C5.1



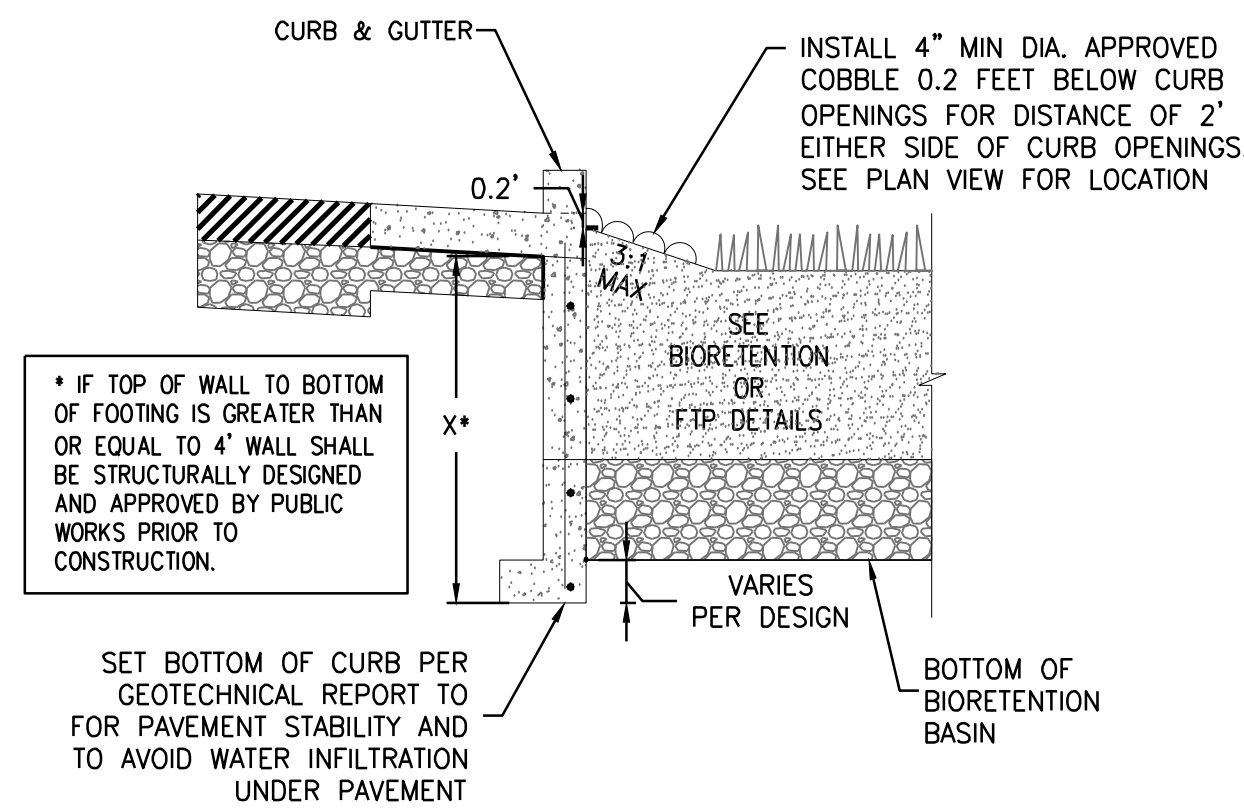
INFRASTRUCTURE PLANS

DOWNTOWN WEST

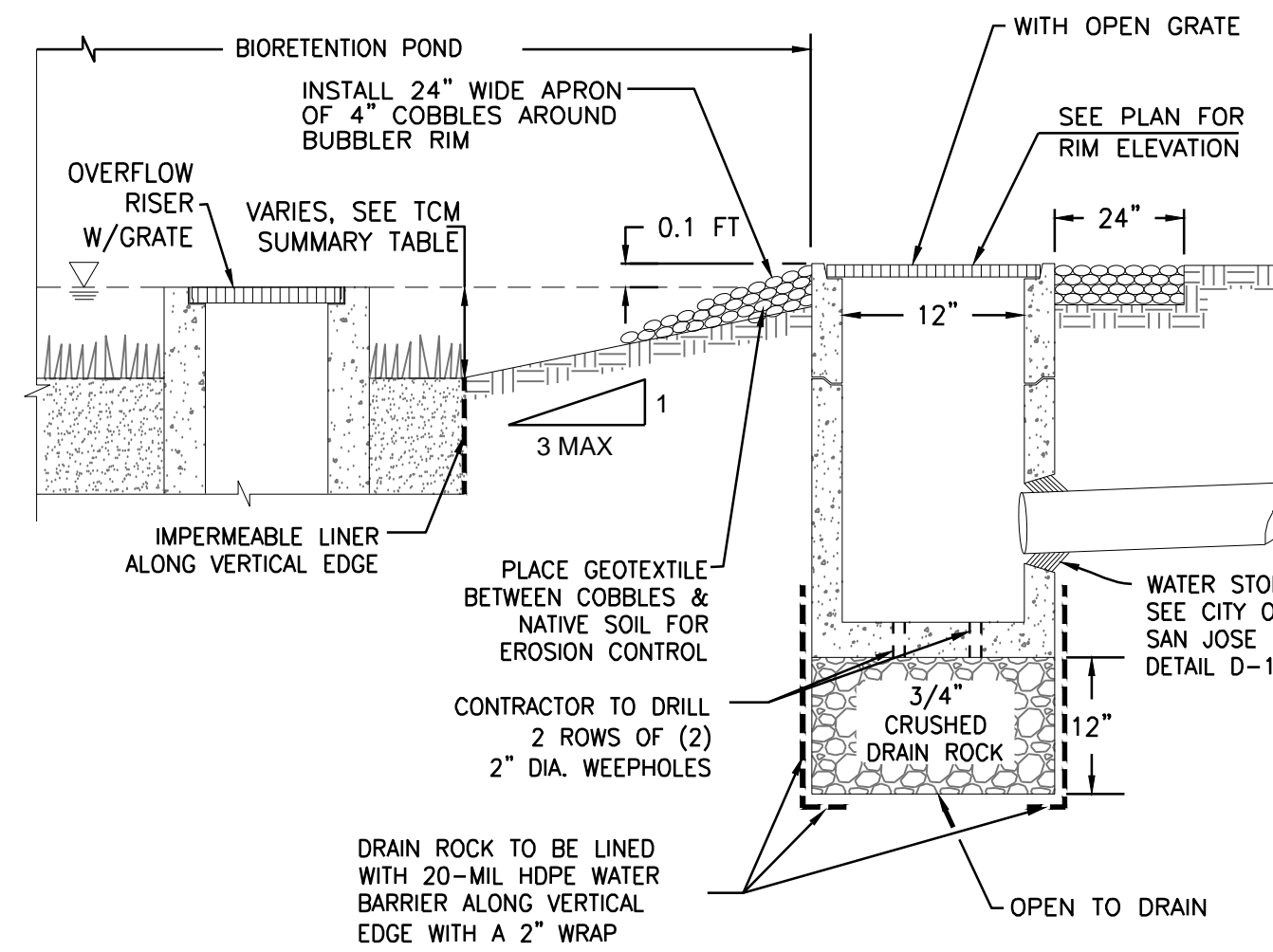
San Jose, California

CITY OF SAN  
JOSE DETAILS

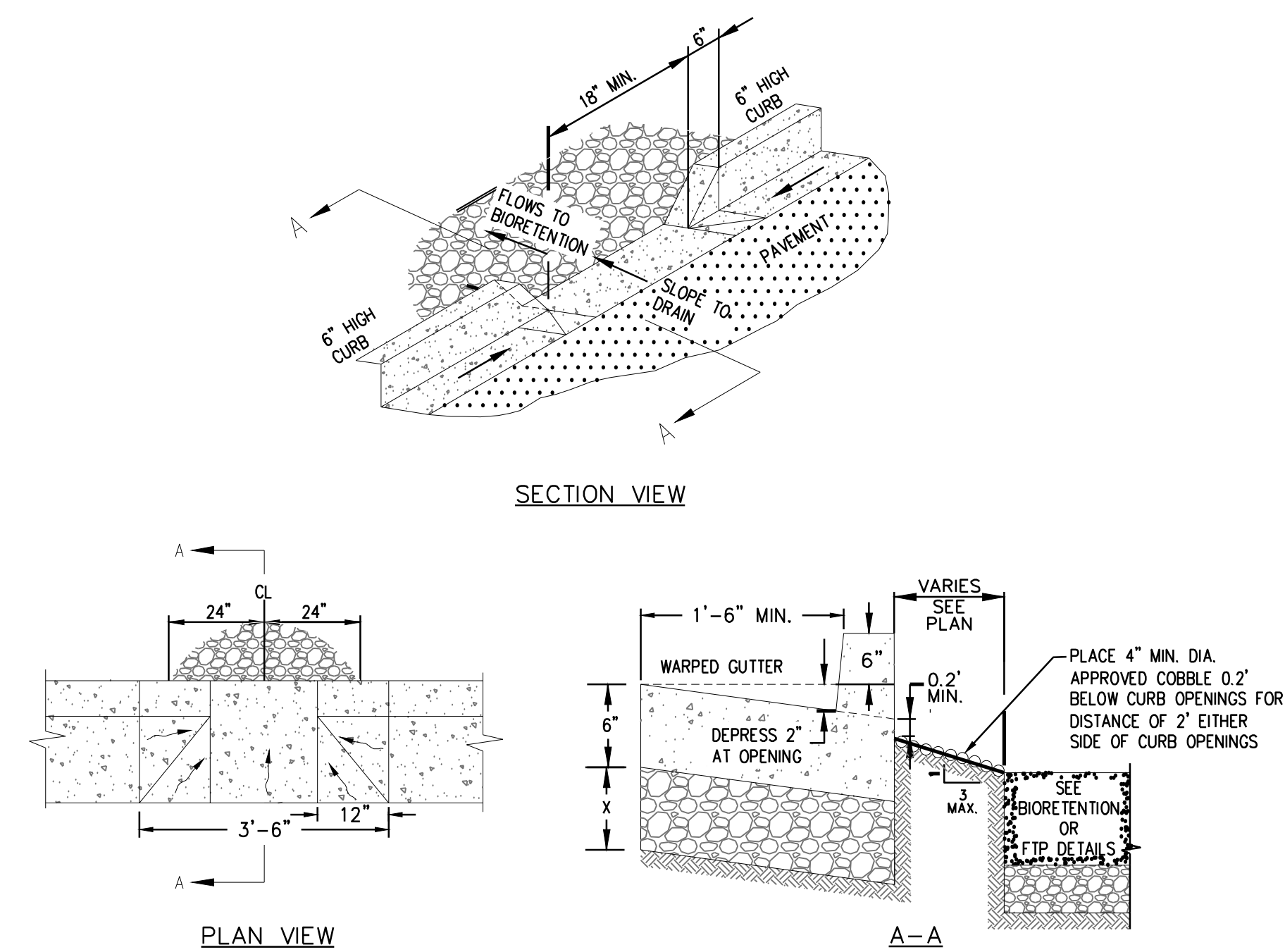
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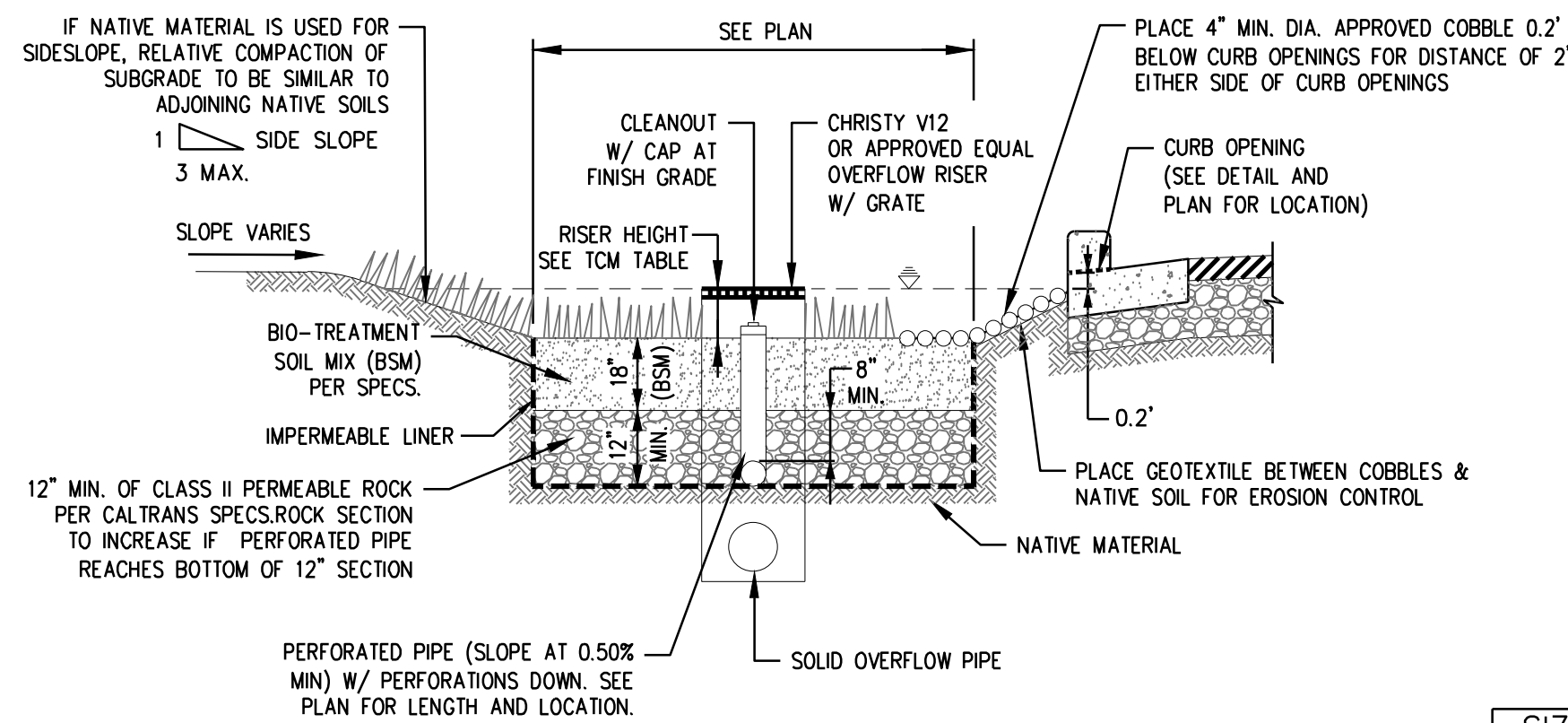
**A CURB ADJACENT TO BIORETENTION** SCALE: NTS



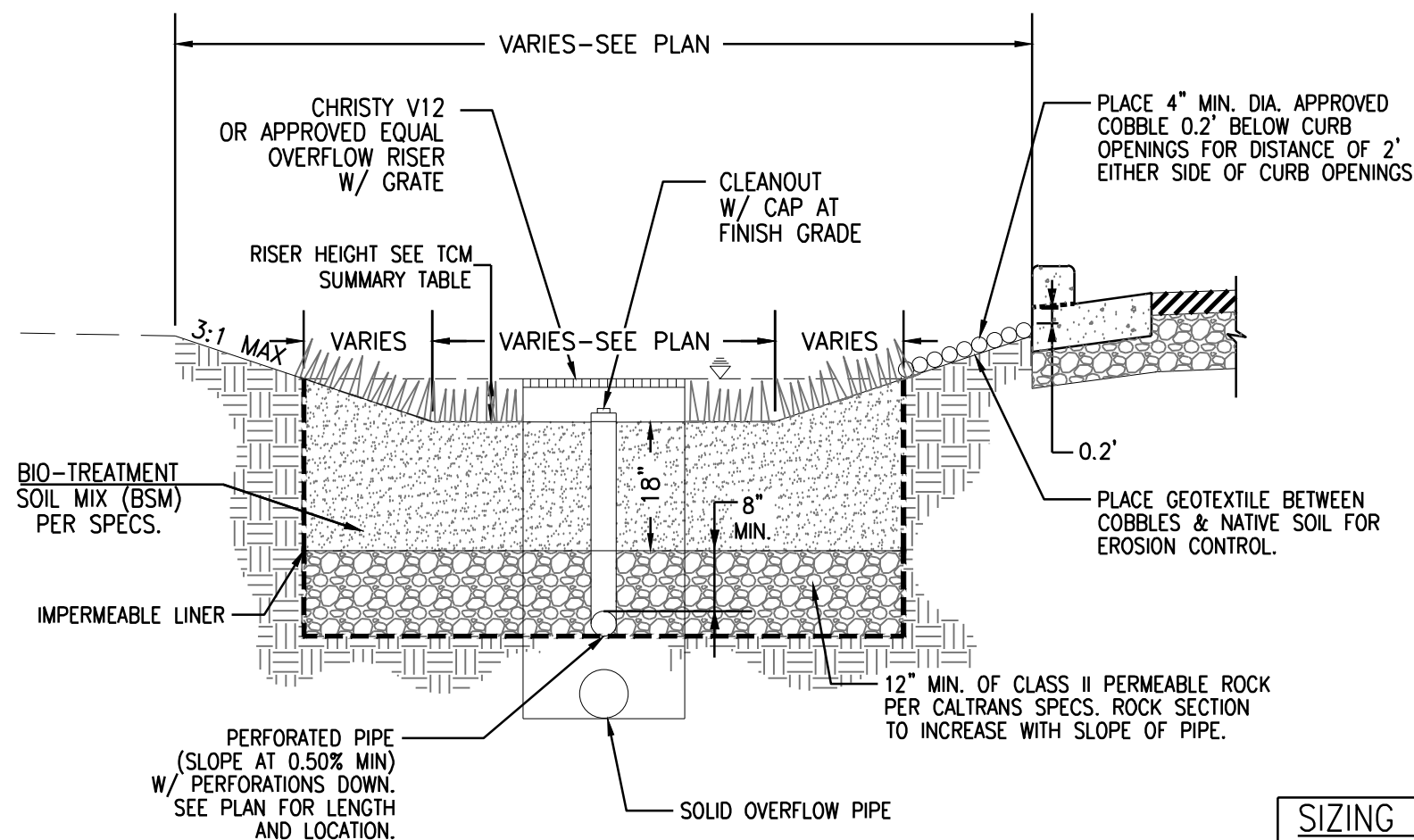
## BUBBLER BOX



C CURB OPENING



SIZING METHOD:  
FLOW-COMBO



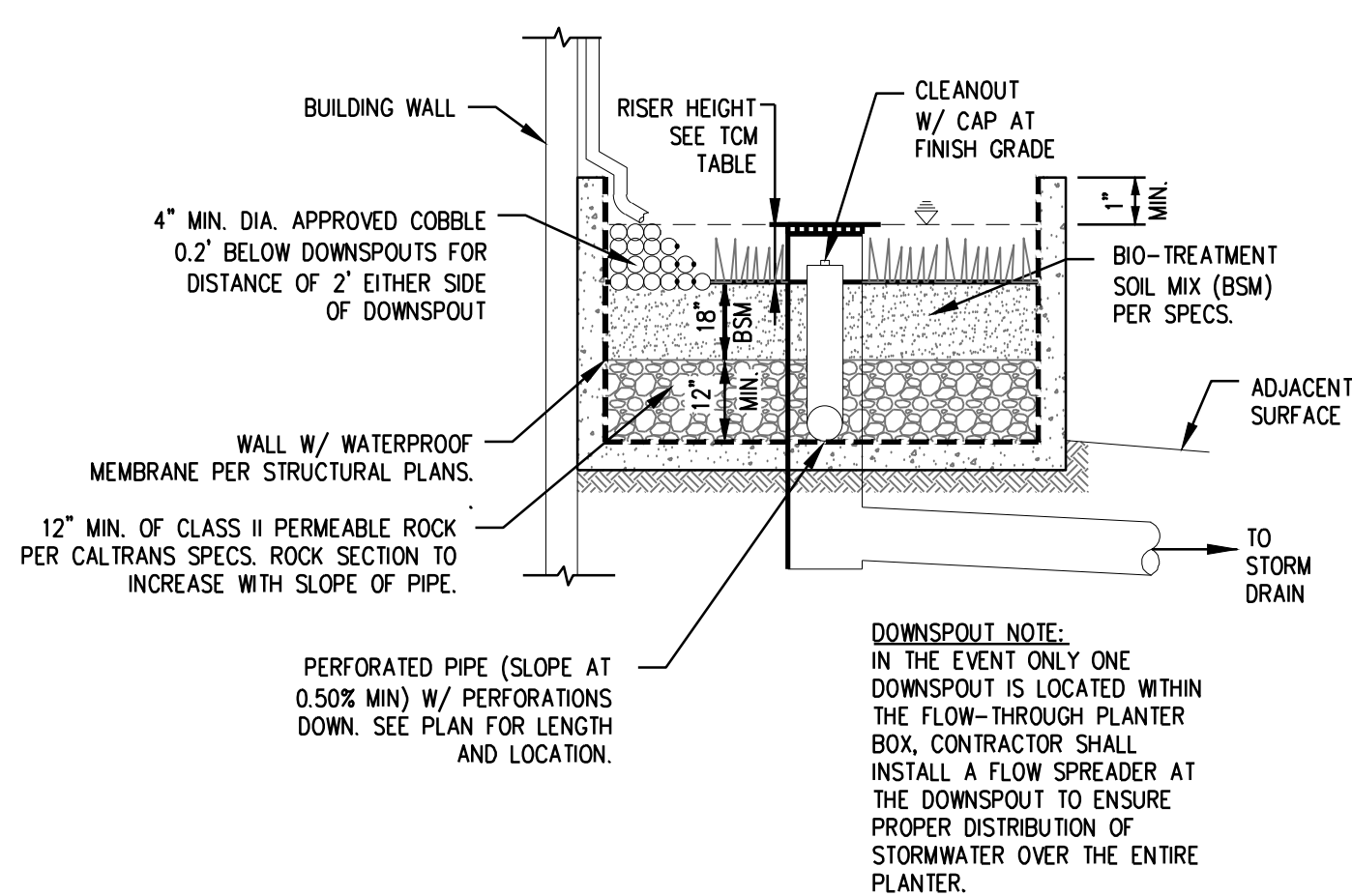
SIZING METHODS:

4%

### BIOTREATMENT SOIL REQUIREMENTS

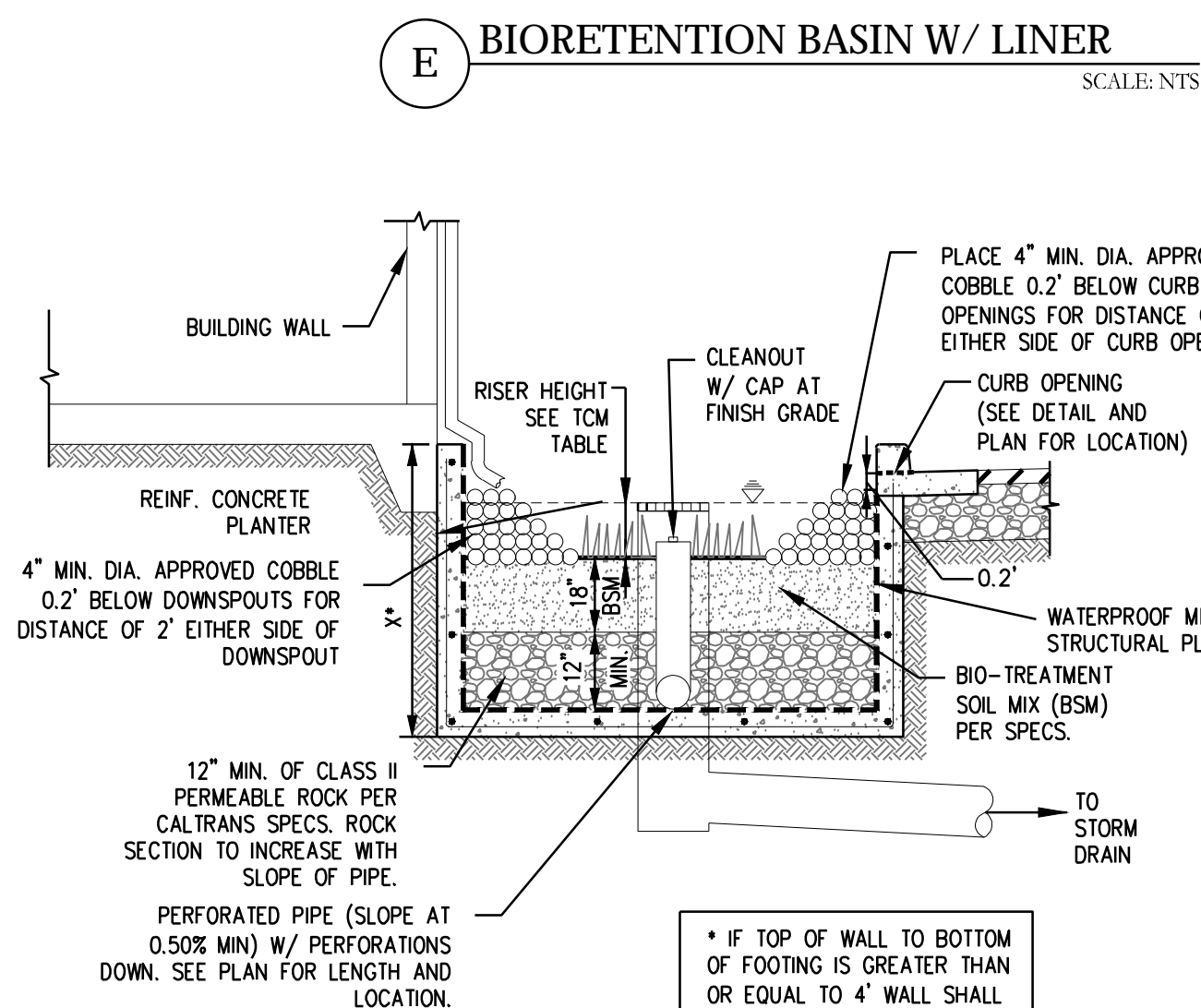
- BIOTREATMENT SOIL MIX SHALL MEET THE REQUIREMENTS AS OUTLINED IN APPENDIX C OF THE C.3 STORM WATER HANDBOOK AND SHALL BE A MIXTURE OF FINE SAND AND COMPOST MEASURED ON A VOLUME BASIS OF 60-70% SAND AND 30-40% COMPOST. CONTRACTOR TO REFER TO APPENDIX C FOR SAND AND COMPOST MATERIAL SPECIFICATIONS. CONTRACTOR MAY OBTAIN A COPY OF THE C.3 HANDBOOK AT :  
[HTTP://WWW.SANJOSCECA.GOV/INDEX.ASP?X=NID=1761](http://www.sanjosceca.gov/INDEX.ASP?X=NID=1761)
- PRIOR TO ORDERING THE BIOTREATMENT SOIL MIX OR DELIVERY TO THE PROJECT SITE, CONTRACTOR SHALL PROVIDE A BIOTREATMENT SOIL MIX SPECIFICATION CHECKLIST, COMPLETED BY THE SOIL MIX SUPPLIER AND CERTIFIED TESTING LAB.

**BIORETENTION BASIN W/ LINER**



SIZING METHODS:  
FLOW-COMBO  
4%

**F FLOW-THROUGH PLANTER (ABOVE GROUND)** SCALE: NTS



**DOWNSPOUT NOTE:**  
IN THE EVENT ONLY ONE  
DOWNSPOUT IS LOCATED WITHIN  
THE FLOW-THROUGH PLANTER  
BOX, CONTRACTOR SHALL  
INSTALL A FLOW SPREADER AT  
THE DOWNSPOUT TO ENSURE  
PROPER DISTRIBUTION OF  
STORMWATER OVER THE ENTIRE  
PLANTER.


SIZING METHODS:  
FLOW-COMBO  
4%

**BIORETENTION BASIN W/ LINER**

**G FLOW-THROUGH PLANTER (BELOW GROUND)** SCALE: NTS

**BIORETENTION & FLOW-THROUGH PLANTER NOTES:**

1. SEE GRADING PLAN FOR BASIN FOOTPRINT AND DESIGN ELEVATIONS.
2. PLACE 3 INCHES OF COMPOSTED, NON-FLOATABLE MULCH IN AREAS BETWEEN STORMWATER PLANTINGS.
3. SEE LANDSCAPE PLAN FOR MULCH, PLANT MATERIALS AND IRRIGATION REQUIREMENTS
4. CURB CUTS SHALL BE A MINIMUM 18" WIDE AND SPACED AT MAXIMUM 10' O.C. INTERVALS AND SLOPED TO DIRECT STORMWATER TO DRAIN INTO THE BASIN. CURB CUTS SHALL ALSO NOT BE PLACED INLINE WITH OVERFLOW CATCH BASIN. SEE GRADING PLAN FOR MORE DETAIL ON LOCATIONS OF CURB CUTS.
5. A MINIMUM 0.2' DROP BETWEEN STORM WATER ENTRY POINT (LEAK OPENING, FLUSH CURB, ETC.) AND ADJACENT LANDSCAPE FINISHED GRADE.
6. DO NOT COMPACT NATIVE SOIL / SUBGRADE AT BOTTOM OF BASIN. LOOSEN SOIL TO 12" DEPTH.

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NO	DATE	DESCRIPTION
PROJECT NO:		18-077
CAD DWG FILE:		C-5.0 DETAILS.DWG
DESIGNED BY:		AG
DRAWN BY:		CQ
CHECKED BY:		BB
DATE:		31 MARCH 2021
SCALE:		
 SHERWOOD DESIGN ENGINEERS		

Z:\2018\18-077 DIRIDON MP\04 DESIGN\SHEETS\C-5.0 DETAILS.DWG



P:\2018\18-077 DIRIDON\_MP04\_DESIGN\SHEETS\C5.0 DETAILS.DWG

INFRASTRUCTURE PLANS  
DOWNTOWN WEST  
San Jose, California

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NO	DATE	DESCRIPTION
PROJECT NO:		18-077
CAD DWG FILE:		C-5.0 DETAILS.DWG
DESIGNED BY:		AG
DRAWN BY:		CQ
CHECKED BY:		BB
DATE:		31 MARCH 2021
SCALE:		
© SHERWOOD DESIGN ENGINEERS		

CITY OF SAN  
JOSE DETAILS

C5.3

PERVIOUS CONCRETE REQUIREMENTS

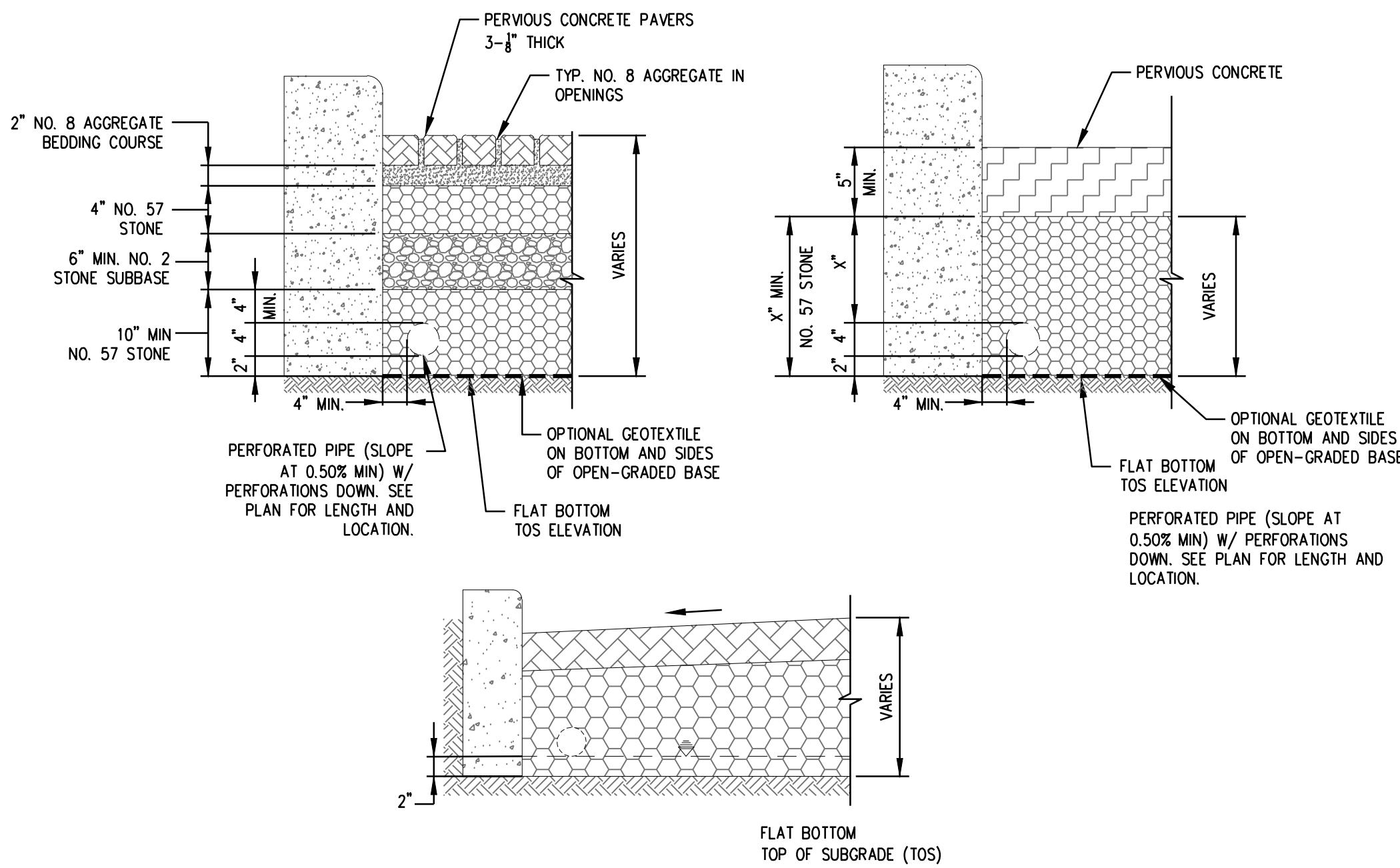
CONTRACTOR OR PERMITEE SHALL:

- PROVIDE CERTIFICATION FROM THE CONCRETE MANUFACTURER THAT THE CONCRETE MEETS THE REQUIREMENTS OF THE C3 STORMWATER HANDBOOK FOR PERVIOUS PAVERS. THIS INCLUDES, BUT IS NOT LIMITED TO, HAVING A MINIMUM SURFACE INFILTRATION RATE OF 100"/HR WHEN TESTED IN ACCORDANCE WITH ASTM C1701.
- ONLY CONTRACTORS HOLDING CERTIFICATION OF COMPLETION FROM THE NATIONAL READY MIX CONCRETE ASSOCIATION (NRMA) SHALL INSTALL THE CONCRETE AND AT LEAST ONE FOREMAN WITH THIS CERTIFICATION MUST BE ON THE JOB SITE AT ALL TIMES DURING CONCRETE INSTALLATION.
- PROTECT THE EXCAVATED AREA FOR FROM EXCESSIVE COMPACTION DUE TO CONSTRUCTION TRAFFIC AND PROTECT THE FINISHED PAVEMENT FROM CONSTRUCTION TRAFFIC.

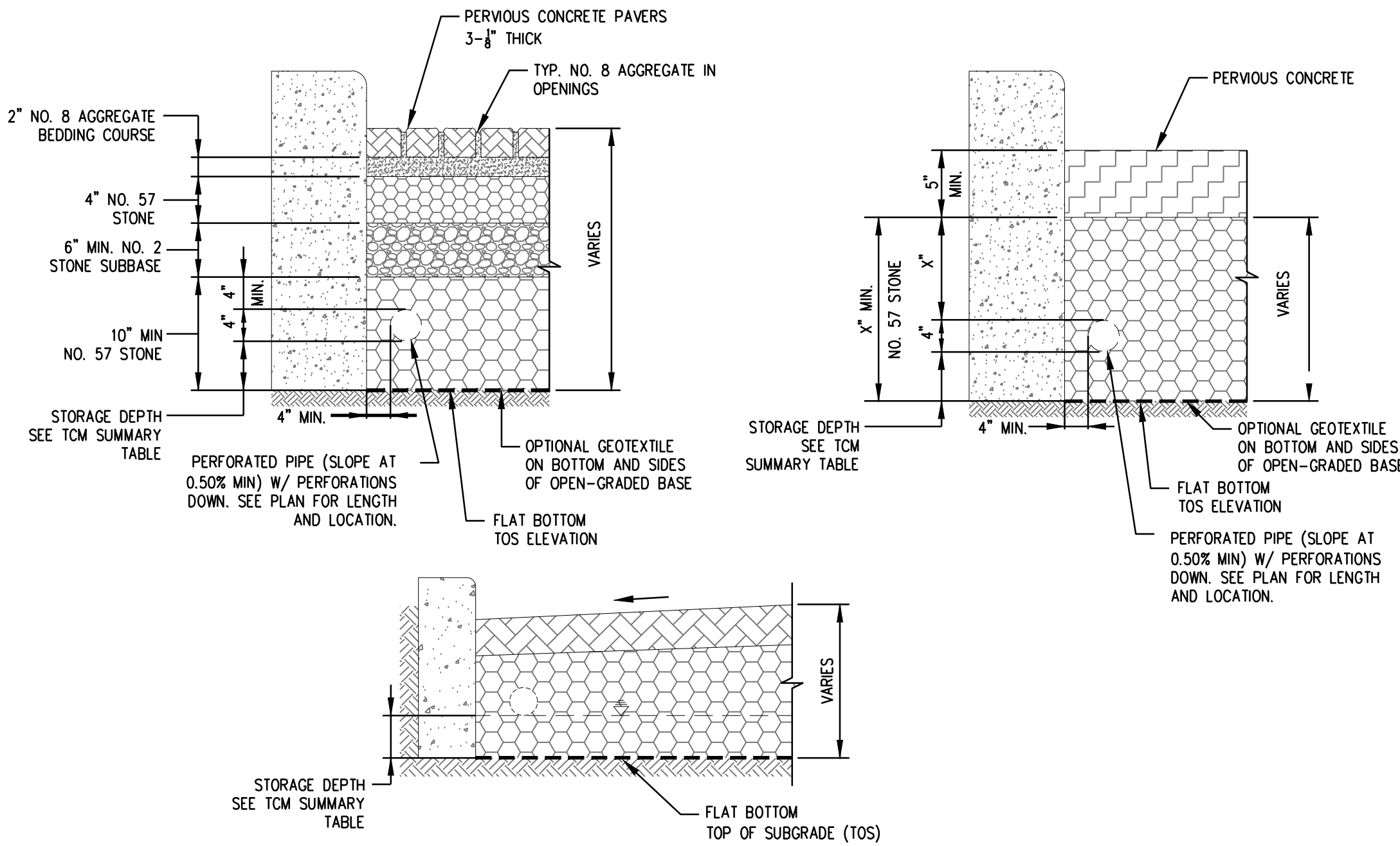
PERVIOUS PAVER REQUIREMENTS

CONTRACTOR OR PERMITEE SHALL:

- PROVIDE CERTIFICATION FROM THE PAVER MANUFACTURER THAT THE PAVERS MEET THE REQUIREMENTS OF THE C3 STORMWATER HANDBOOK FOR PERVIOUS PAVERS. THIS INCLUDES, BUT IS NOT LIMITED TO, HAVING A MINIMUM SURFACE INFILTRATION RATE OF 100"/HR WHEN TESTED IN ACCORDANCE WITH ASTM C1701.
- ONLY CONTRACTORS HOLDING CERTIFICATION OF COMPLETION IN THE INTERLOCKING CONCRETE PAVEMENT INSTITUTES (ICPI) INSTALLER TECHNICIAN COURSE SHALL BE USED TO INSTALL THE PAVERS AND AT LEAST ONE FOREMAN WITH THIS CERTIFICATION MUST BE ON THE JOBSITE AT ALL TIMES DURING CONCRETE PAVER INSTALLATION.
- PROTECT THE EXCAVATED AREA FOR PERVIOUS PAVERS FROM EXCESSIVE COMPACTION DUE TO CONSTRUCTION TRAFFIC AND PROTECT THE FINISHED PAVEMENT FROM CONSTRUCTION TRAFFIC.



A PERVIOUS PAVEMENT (SELF-TREATING)  
SCALE: NTS



B PERVIOUS PAVEMENT (SELF-RETAINING)  
SCALE: NTS

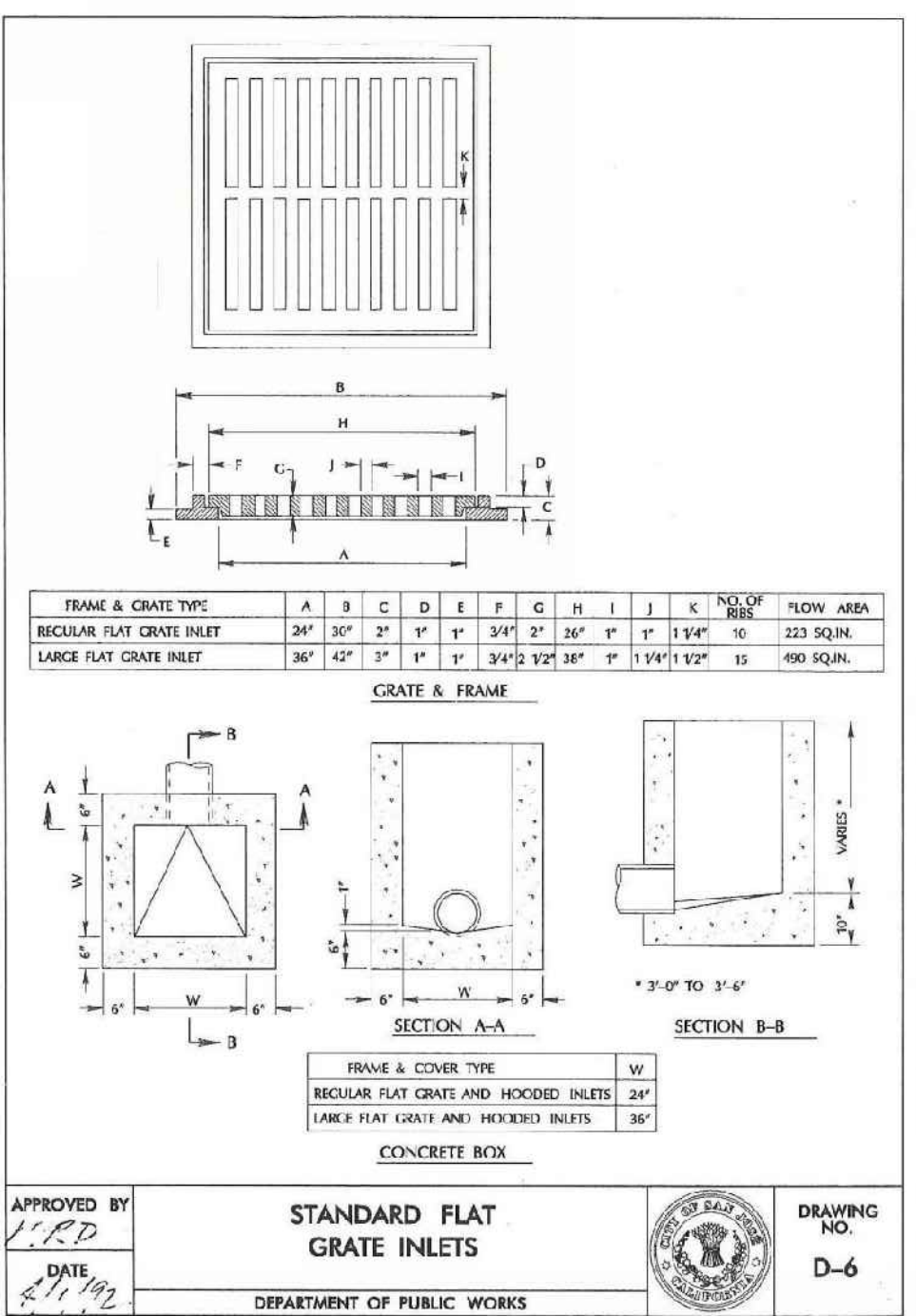
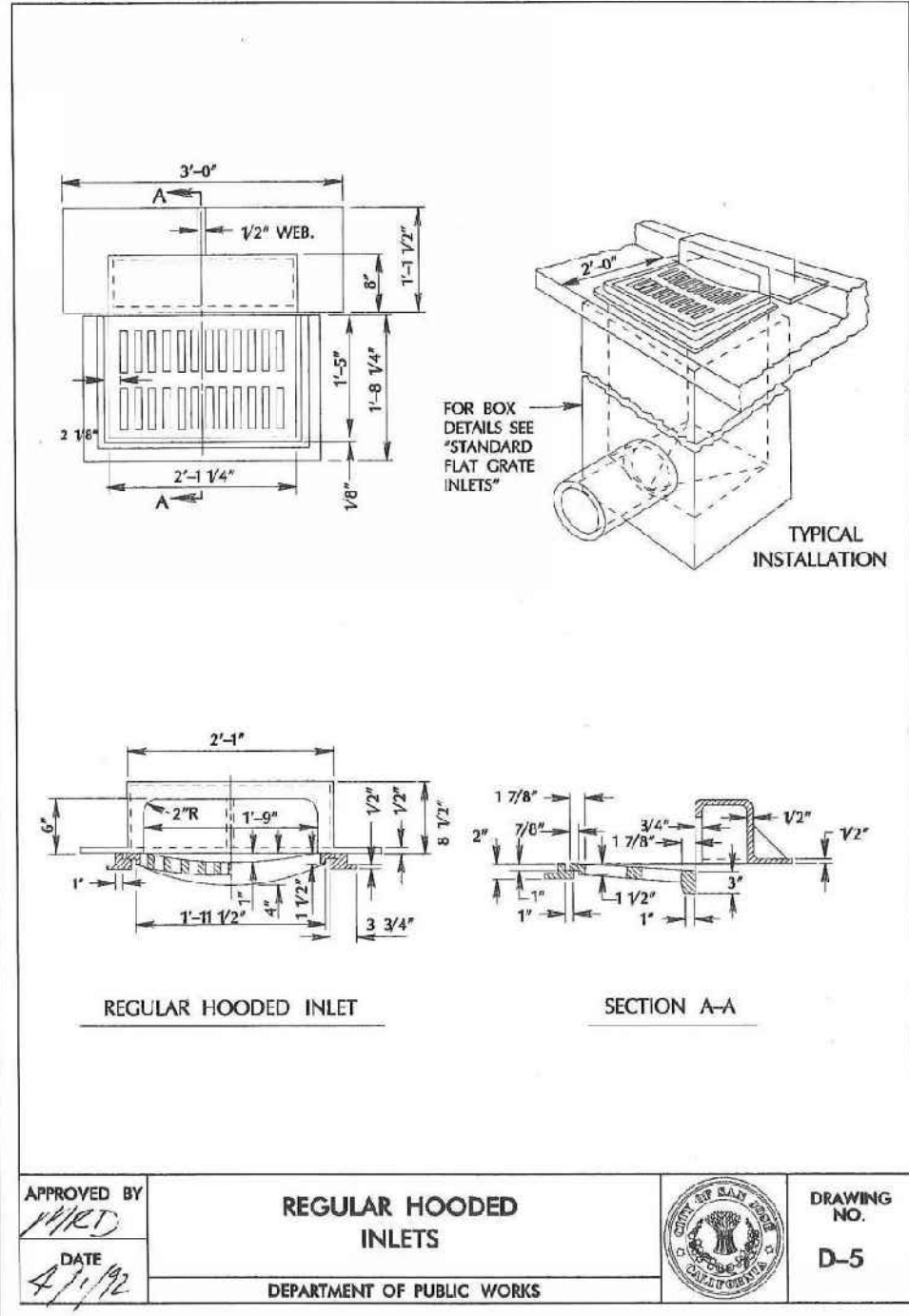
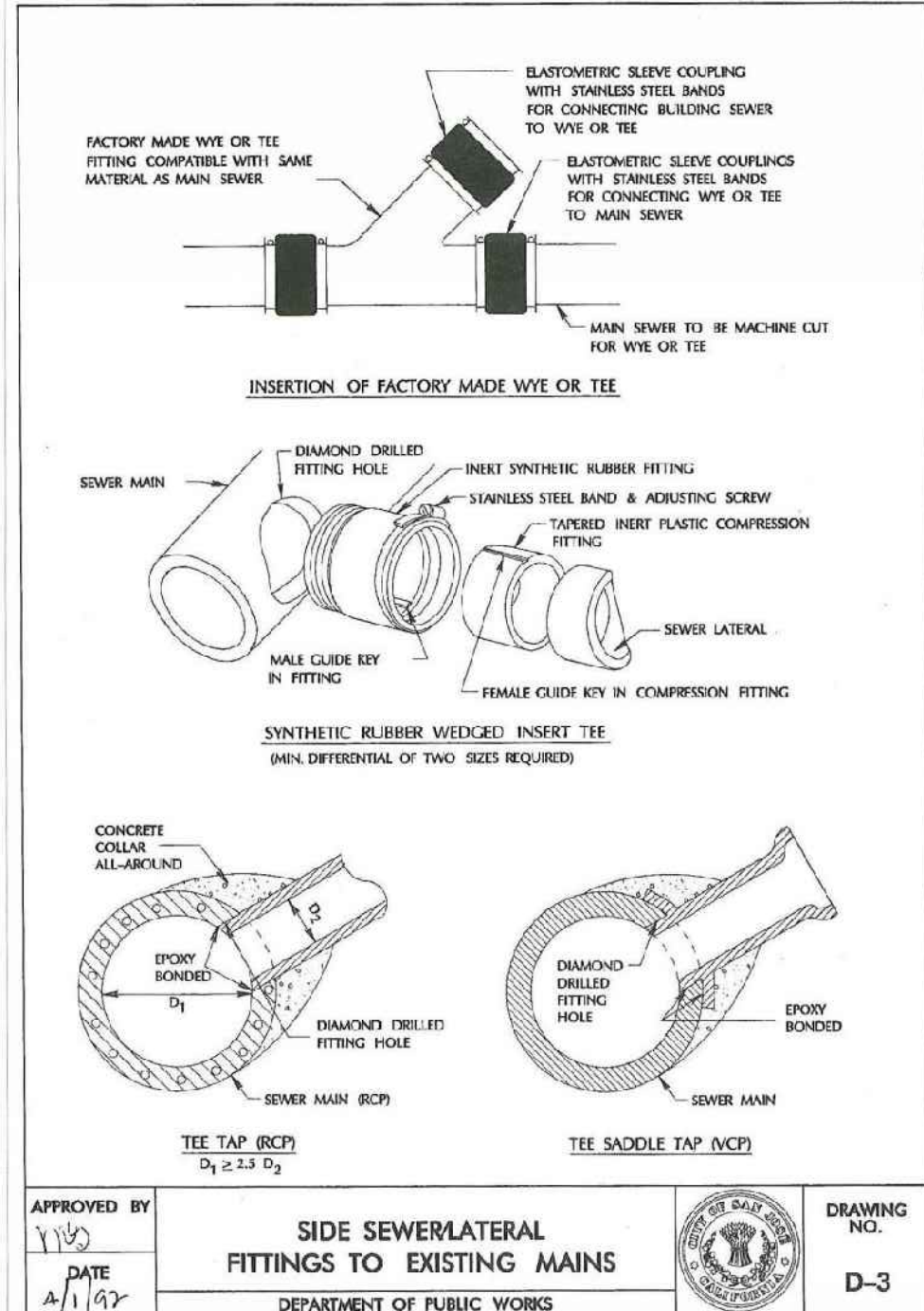
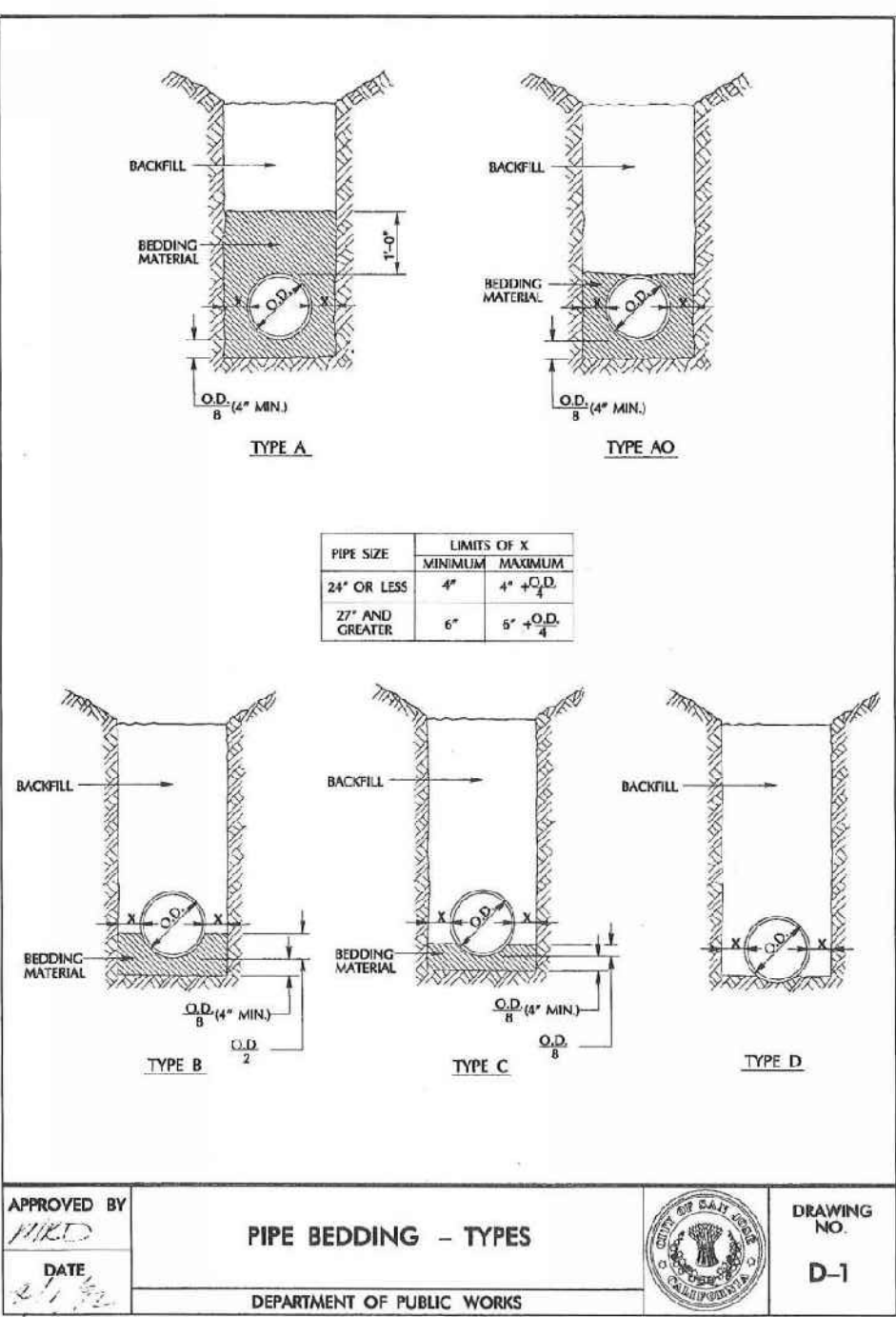
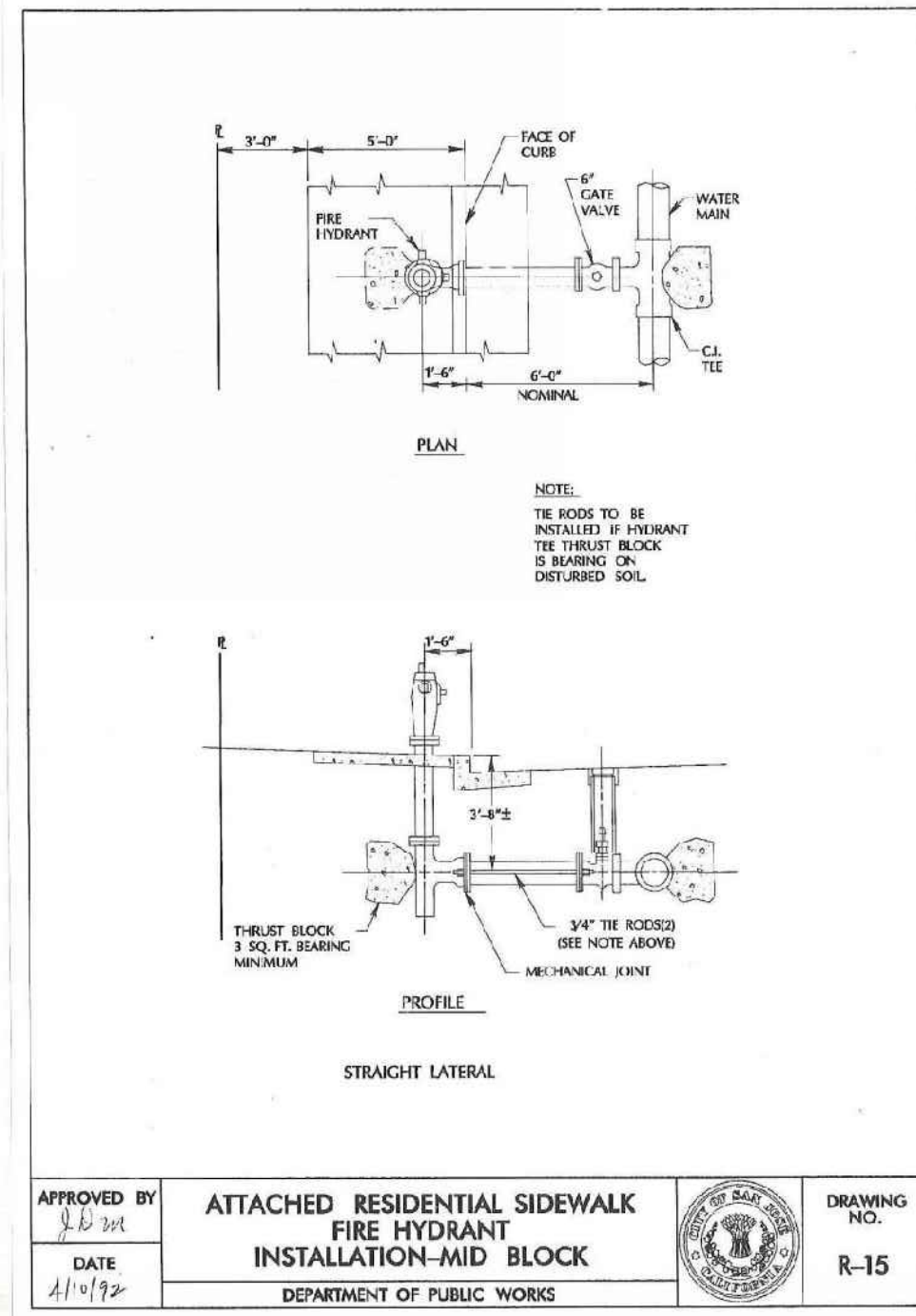
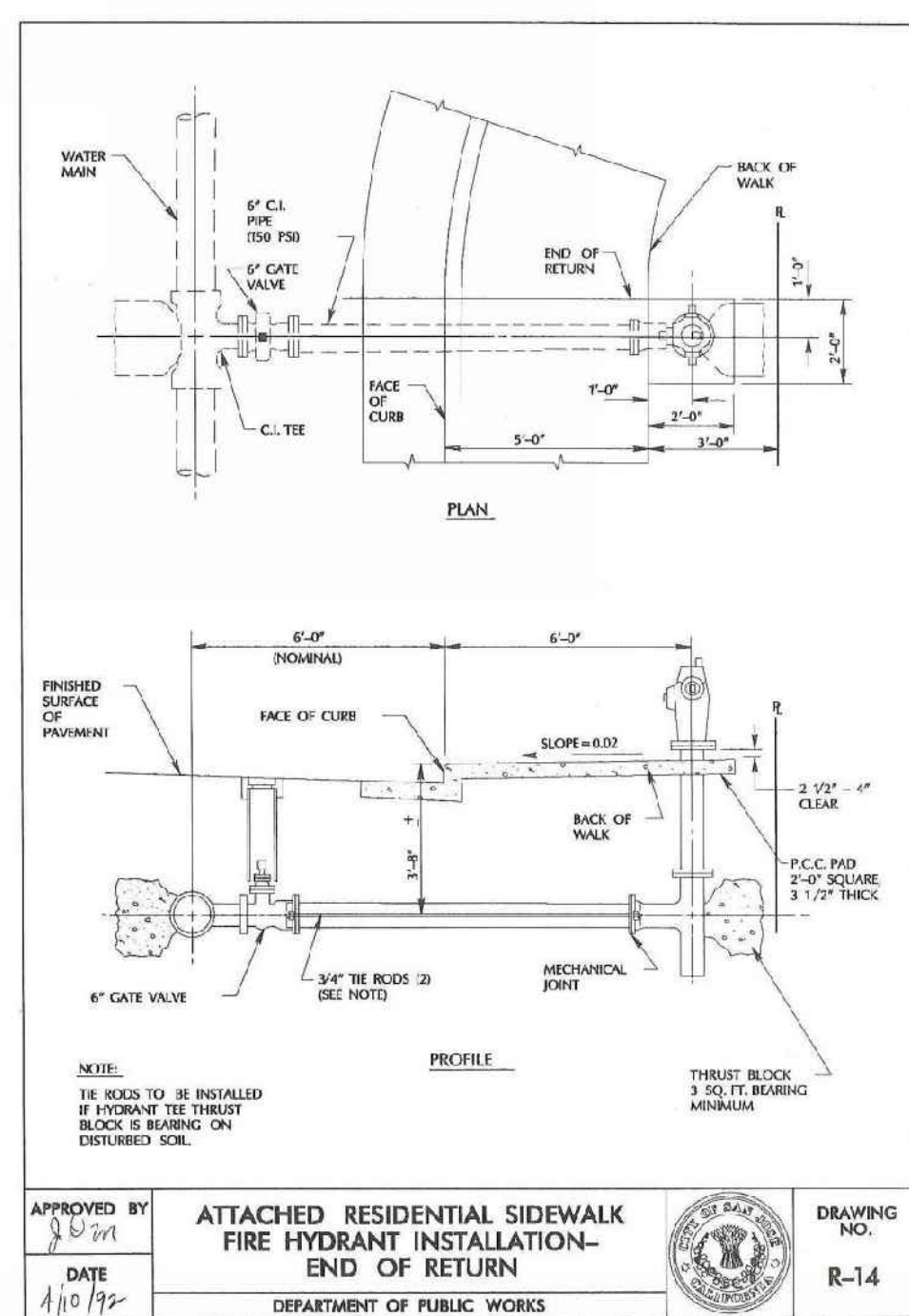
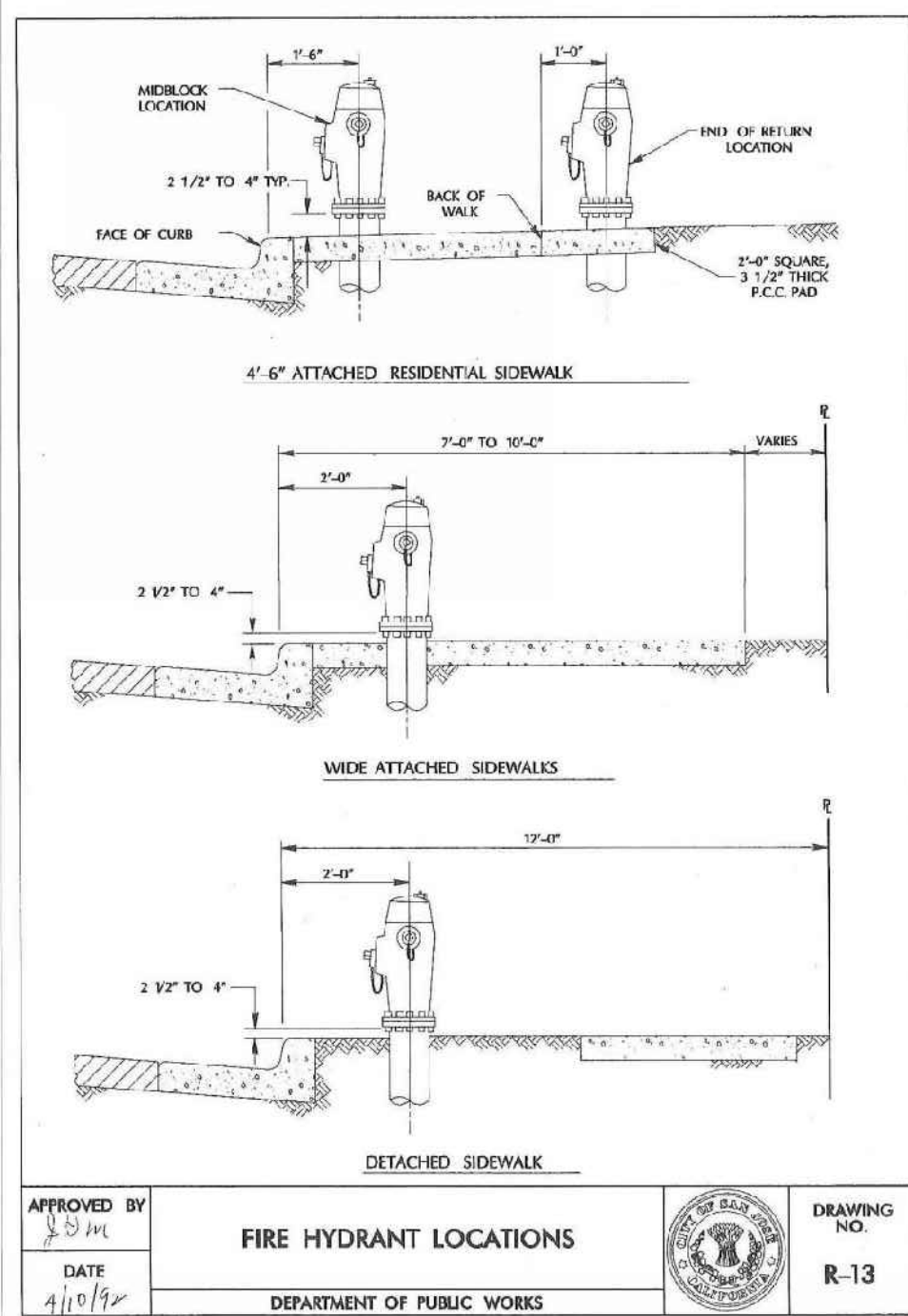
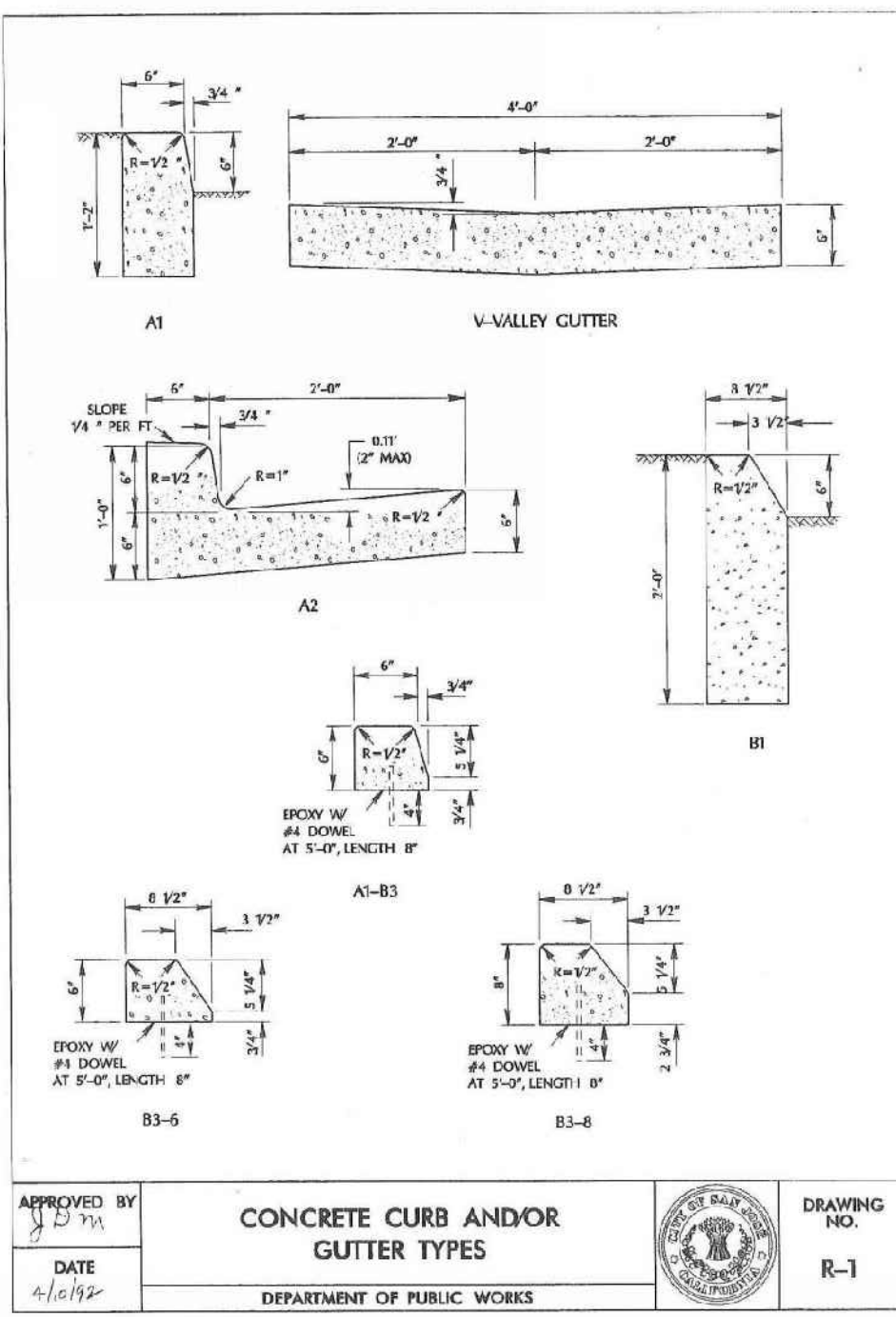


INFRASTRUCTURE PLANS  
DOWNTOWN WEST  
San Jose, California

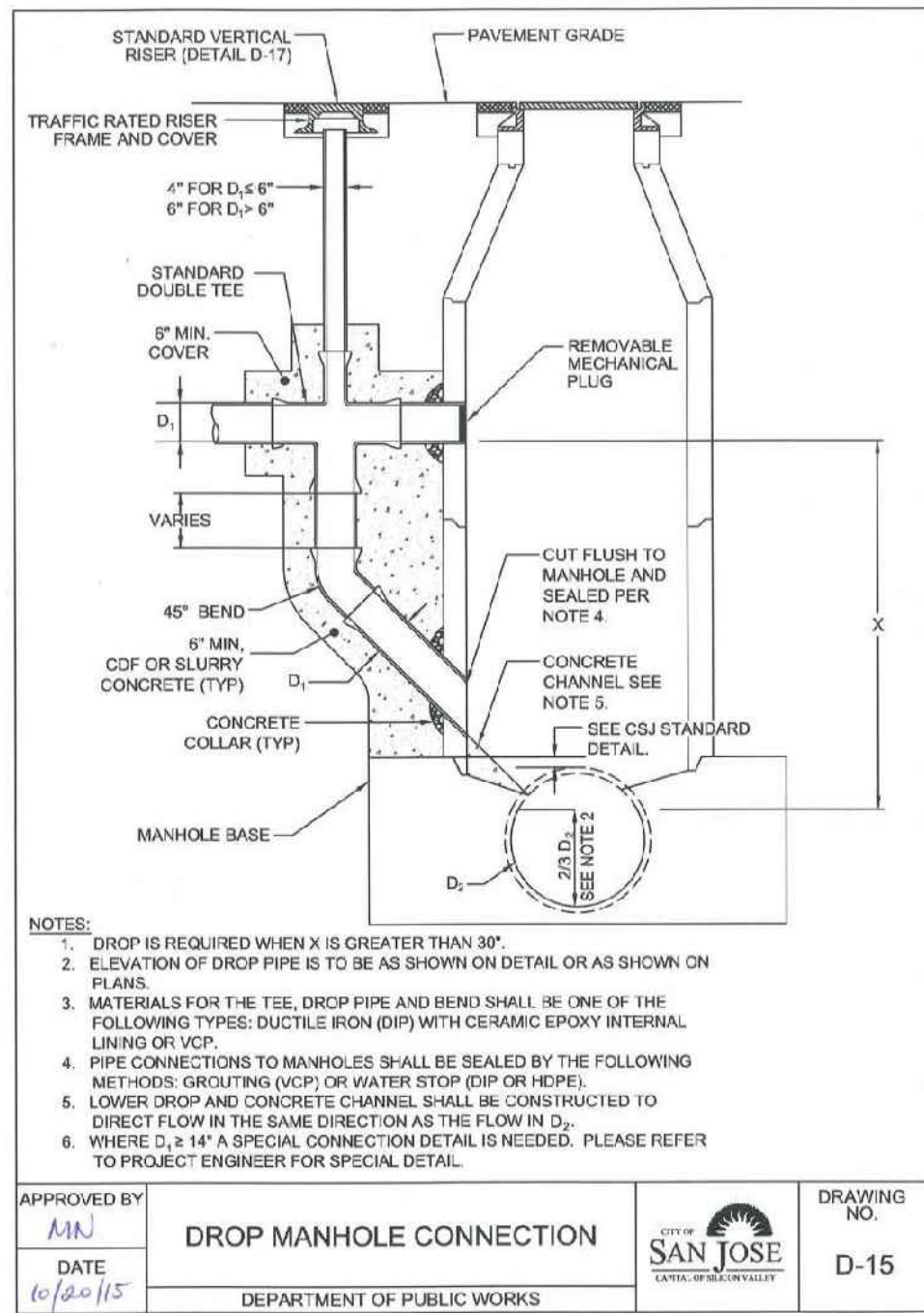
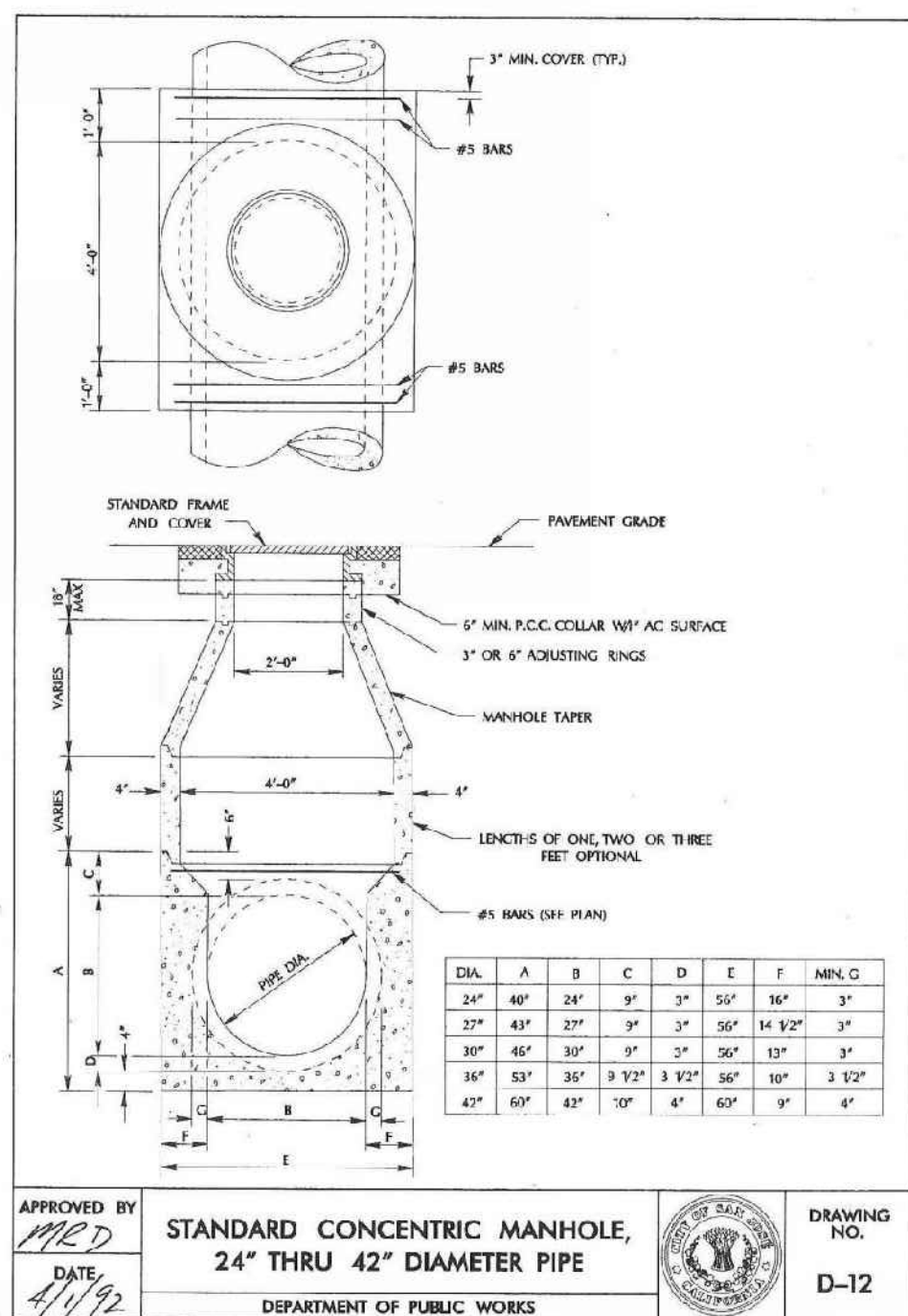
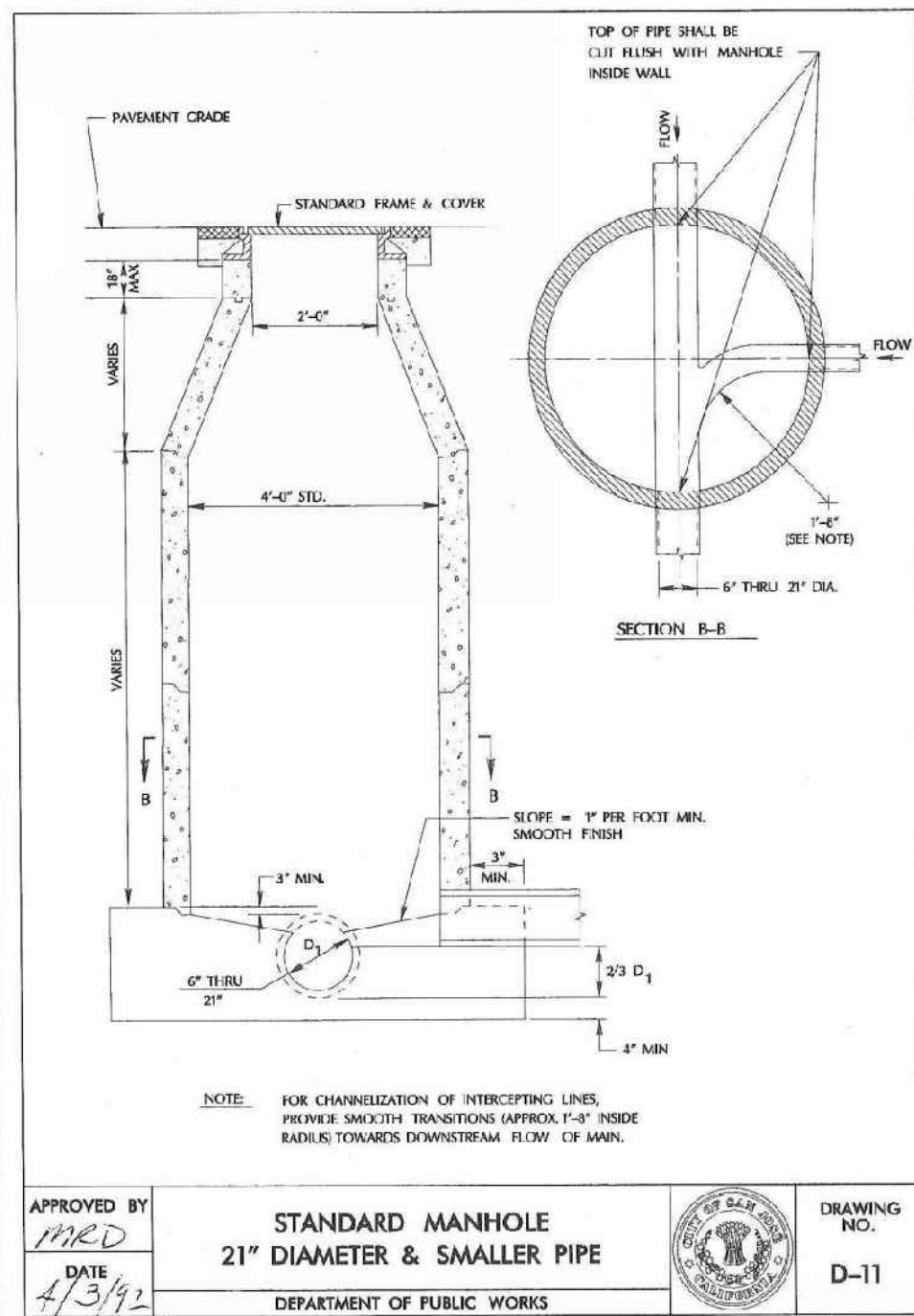
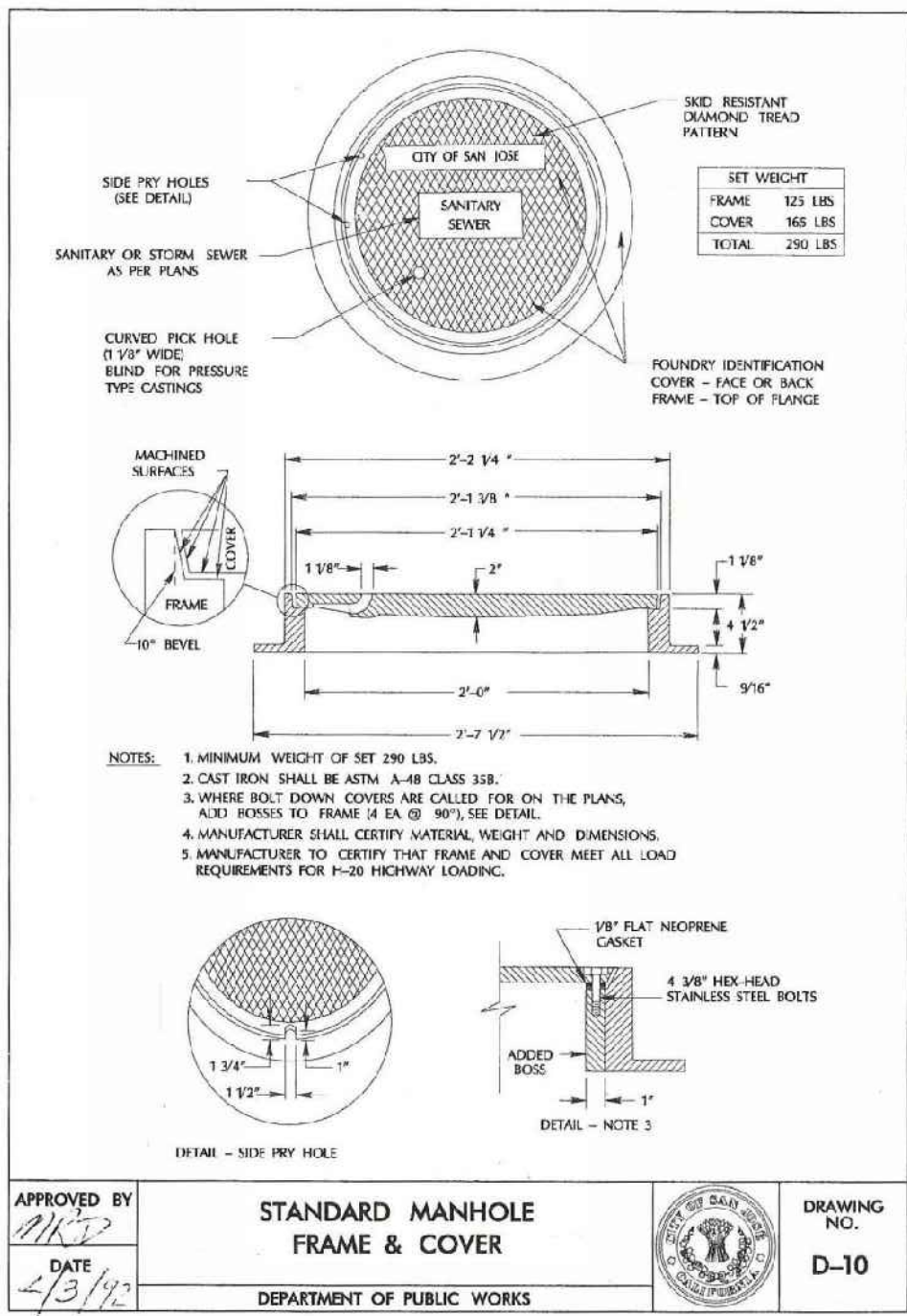
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JOSE DETAILS

C5.4







INFRASTRUCTURE PLANS

DOWNTOWN WEST

San Jose, California



# CONCEPTUAL Stormwater Evaluation Form

FILE #

**INSTRUCTIONS:** At minimum, complete Sections 1.a and 2.d of this form and submit it with all Planning Permit applications.

If you answer "yes" to one or both questions below, your project must comply with Provision C.3 of the Municipal Regional Stormwater Permit (MRP) and you must complete the entire form:

- Does your project create or replace 10,000 sq. ft. or more of impervious surface on the project site?
- Does your project involve a restaurant, auto service facility, retail gasoline outlet, uncovered parking lot, or top uncovered portion of a parking structure that creates or replaces 5,000 sq. ft. or more of impervious surface on a project site?

**What is an impervious surface?** An impervious surface is pavement or other surface covering that prevents land from absorbing and infiltrating rainfall and stormwater. Impervious surfaces include driveways, walkways, parking lots, rooftops and any other continuous watertight covering. Pervious pavement underlain with pervious soil or material, e.g., drain rock, that infiltrates rainfall at a rate equal to or greater than surrounding unpaved areas OR that stores and infiltrates the water quality design volume specified in Provision C.3.d of the MRP, is not considered an impervious surface.

For more information and definitions, see the [Stormwater Management](http://www.sanjoseca.gov/planning) web page at [www.sanjoseca.gov/planning](http://www.sanjoseca.gov/planning).

## 1. USES AND LOCATION

### 1.a. Are any of these uses included in your project?

Check all that apply.

- ☒ Restaurant
- ☐ Retail Fuel Outlet
- ☒ Uncovered Parking
- ☐ Auto Service, as categorized by the Standard Industrial Classification (SIC) Codes 5013-5014, 5541, 7532-7534, 7536-7539. Determine your SIC Codes at [www.osha.gov](http://www.osha.gov). List the applicable SIC Code/s: \_\_\_\_\_

### 1.b. Check the watershed in which your project is located.

See the [Watershed Maps](http://www.sanjoseca.gov/index.aspx?nid=1868) web page at [www.sanjoseca.gov/index.aspx?nid=1868](http://www.sanjoseca.gov/index.aspx?nid=1868)

- ☐ Baylands
- ☐ Calabazas
- ☐ Coyote (including Lower Penitencia)
- ☒ Guadalupe
- ☐ San Tomas

### 1.c. Special Project Status

Use the online [Special Project Worksheet](http://www.sanjoseca.gov/index.aspx?NID=1761) at [www.sanjoseca.gov/index.aspx?NID=1761](http://www.sanjoseca.gov/index.aspx?NID=1761) to determine if your project qualifies as a Special Project. Does your project qualify?

- ☐ Yes **Attach the Special Project Worksheet and Narrative to this application.**
- ☒ No

Note: See the [Special Projects Worksheet](http://www.sanjoseca.gov/planning) for requirements.

continued>



**2. AREA DATA**

2.a. Enter the Project Phase Number (1, 2, 3, etc. or N/A if Not Applicable):	N/A	
2.b. Total area of site:	78.95	acres
2.c. Total area of site that will be disturbed:	78.95	acres

**COMPARISON OF IMPERVIOUS AND PERVIOUS AREAS AT PROJECT SITE:**

2.d. IMPERVIOUS AREAS - IA	Pre-Project Existing IA (sq. ft.)	Existing IA Retained As-Is <sup>1</sup> (sq. ft.)	Existing IA Replaced with IA <sup>2</sup> (sq. ft.)	New IA Created <sup>2</sup> (sq. ft.)	Total Post Project IA (sq. ft.)
<b>Site Totals</b>					
Total IA	d.1. 2,529,285	d.2. 0	d.3. 2,328,491	d.4. 0	d.5. (d.2+d.3+d.4) 2,328,491
Total New and Replaced IA			d.6 (d.3+d.4) 2,328,491		
<b>Public Street Totals</b>					
Total Public Streets IA <sup>3</sup>	d.8 806,788	d.9 0	d.10 698,049	d.11 0	d.12 (d.9+d.10+d.11) 698,049
Total New and Replaced Public Streets IA			d.13 (d.10+d.11) 698,049		
Total Site and Public Streets IA	d.14 (d.1+d.8) 3,336,073				d.15 (d.5+d.12) 3,026,540
Percent Replacement of IA in Redevelopment Projects (d.3÷d.1) x 100:					d.16 92.1 %
2.e. PERVIOUS AREAS - PA	Pre-Project Existing PA (sq. ft.)				Total Post Project PA (sq. ft.)
Total PA <sup>4</sup>	e.1. 103,177				e.2 412,710
2.f. Total Area (IA + PA)	f.1. (d.14 + e.1) 3,439,250				f.2. (d.15 + e.2) 3,439,250

**FOOTNOTES**

1. "Retained" in box 2.d.2 means to leave existing IA in place. An IA that goes through maintenance (e.g., pavement resurfacing/slurry seal/grind), but no change in grade is considered "retained."
2. The "replaced" and "new" IA in boxes 2.d.3. and 2.d. 4 are based on the total area of the site and not specific locations on site. For example, impervious parking created over a pervious area is not "new" IA if an equal amount of pervious area replaces IA somewhere else on the site. Constructed IA on a site that does not exceed the Total Pre-Project IA in box 2.d.1. will be considered "replaced" IA.  
**A site will have "new" IA only if the Total Post-Project IA in box 2.d.5. exceeds the Total Pre-Project IA (2.d.5 - 2.d.1 = 2.d.4).**
3. These areas are locations of the public street that are being dedicated (sidewalk or street easement) to the City of San José.
4. Include bioretention areas, infiltration areas, green roofs, and pervious pavement in PA calculations.

**3. APPLICABILITY OF PROVISION C.3**

<b>3.a. Is 2.c. equal to 1 acre or more?</b> <input checked="" type="checkbox"/> Yes. Applicant must obtain coverage under the <a href="#">State Construction General Permit</a> . <input type="checkbox"/> No. Applicant does not need coverage under the State Construction General Permit.
<b>3.b. Is box 2.d.6 equal to 10,000 sq. ft. or more for any type of project, or 5,000 sq. ft. or more for restaurants, auto service facilities, retail gas outlets, and uncovered parking?</b> <input checked="" type="checkbox"/> Yes. Site Design, Source Control, and Treatment System requirements will all apply to the project area. <input type="checkbox"/> No. Site Design and Source Control requirements may apply; check with local agency.
<b>3.c. Is box 2.d.16 equal to or greater than 50%?</b> <input checked="" type="checkbox"/> Yes. Site Design, Source Control, and Treatment System requirements all apply to the entire site. <input type="checkbox"/> No. Site Design, Source Control, and Treatment System requirements only apply to the area of site that is disturbed.

continued&gt;



**3.d. Indicate the Provision C.3 measures to be applied to your project. Check all that apply:**

SITE DESIGN MEASURES	SOURCE CONTROL MEASURES	TREATMENT SYSTEMS
<b>PROTECTION MEASURES</b> <input checked="" type="checkbox"/> Protect existing trees, vegetation, and soil. <input checked="" type="checkbox"/> Protect riparian and wetland areas/buffers (Riparian setback. _____ft.) <sup>1</sup> <input checked="" type="checkbox"/> Preserve open space and natural drainage patterns: _____ sq. ft. <input type="checkbox"/> Rainwater harvesting and use (e.g., rain barrel, cistern connected to roof drains) <sup>2</sup>  <b>LANDSCAPE DESIGN MEASURES</b> <input checked="" type="checkbox"/> Direct runoff from roofs, sidewalks, patios to landscaped areas. <input checked="" type="checkbox"/> Plant trees adjacent to and in parking areas and adjacent to other impervious areas.  <b>DESIGN MEASURES TO MINIMIZE IMPERVIOUS SURFACE AREA</b> <input checked="" type="checkbox"/> Reduce existing impervious surfaces. <input checked="" type="checkbox"/> Cluster structures/pavement. <input checked="" type="checkbox"/> Create new pervious areas: <input checked="" type="checkbox"/> Landscaping <input type="checkbox"/> Parking stalls <input checked="" type="checkbox"/> Walkways and patios <input type="checkbox"/> Emergency vehicle access <input type="checkbox"/> Private streets and sidewalks <input checked="" type="checkbox"/> Install a Green Roof on all or a portion of the roof. <input checked="" type="checkbox"/> Parking: <input checked="" type="checkbox"/> On top of or under buildings <input checked="" type="checkbox"/> Not provided in excess of Code <input type="checkbox"/> Other: _____ _____ _____	<input checked="" type="checkbox"/> Beneficial landscaping <sup>4</sup> <input checked="" type="checkbox"/> Use water efficient irrigation systems. <input checked="" type="checkbox"/> Good housekeeping, e.g., sweep pavement and clean catch basin. <input checked="" type="checkbox"/> Label storm drains. <input checked="" type="checkbox"/> Connect to the sanitary sewer: <sup>3</sup> <input checked="" type="checkbox"/> Covered trash/recycling enclosures <input checked="" type="checkbox"/> Interior parking structures <input type="checkbox"/> Wash area/racks <input type="checkbox"/> Pools, spas, fountains <input checked="" type="checkbox"/> Covered loading docks and maintenance bays <input checked="" type="checkbox"/> Pumped groundwater <input type="checkbox"/> Fueling areas must (all required): – Be graded to prevent ponding. – Use a concrete surface. – Be separated from the site by a grade break to prevent run-on. – Have a canopy cover extending at least 10 feet from each pump. <input checked="" type="checkbox"/> Industrial, outdoor material storage, and recycling facilities must (all required): – Stockpile material on an impervious surface or under a permanent roof or covering. – Direct ponded water to the sanitary sewer, <sup>2</sup> an on-site treatment system, or off-site disposal. – Install berms or curbs to prevent runoff from the storage/processing areas. – Segregate pollutant-generating activities into a distinct drainage management area and provide treatment. <input type="checkbox"/> Other: _____ _____ _____	<b>NONE</b> <input checked="" type="checkbox"/> Impervious surfaces drain to one or more self-retaining areas that are sized per the design criteria listed in the C.3 Stormwater Handbook.  <b>LID TREATMENT</b> <input checked="" type="checkbox"/> Rainwater harvest and use (e.g., cistern or rain barrel sized for C.3.d treatment) <input type="checkbox"/> Infiltration well/dry well <input type="checkbox"/> Infiltration trench <input type="checkbox"/> Subsurface Infiltration System (e.g. vault or large diameter pipe over drain rock)  <b>BIOTREATMENT</b> <input checked="" type="checkbox"/> Bioretention area <input checked="" type="checkbox"/> Flow-through planter <input checked="" type="checkbox"/> Tree well filter or trench with bioretention soils <sup>5</sup> <input type="checkbox"/> Other: _____ _____ _____  <b>OTHER TREATMENT METHODS</b> <b>SPECIAL PROJECTS ONLY<sup>6</sup></b> <input type="checkbox"/> Proprietary tree box filter <input type="checkbox"/> Media filter (sand, compost, or proprietary media) <b>MULTI-STEP PROCESS ONLY<sup>7</sup></b> <input type="checkbox"/> Vegetated filter strip <input type="checkbox"/> Extended Detention Basin <input type="checkbox"/> Vegetated Swale

**FOOTNOTES**

1. Per Council Policy 6-34, setback is measured from the outside dripline of the Riparian Corridor vegetation or top-of-bank, whichever is greater.

2. As a site design measure, it does not have to be sized to comply with Provision C.3.d treatment requirements.

3. Subject to the requirements of the sanitary sewer authority.

4. Landscaping that minimizes irrigation and runoff, promotes surface infiltration where possible, and minimizes the use of pesticides and fertilizers.

5. Bioretention soils shall infiltrate runoff at a minimum of 5 inches per hour during the life of the facility and sustain healthy, vigorous plant growth.

6. These treatment measures are only allowed if the project qualifies as a Special Project.

7. These treatment measures are only allowed as part of a multi-step treatment process (i.e. pretreatment).

*continued>*



**4. TREATMENT SYSTEM SIZING FOR PROJECTS WITH TREATMENT REQUIREMENTS**

For each treatment system component, indicate the hydraulic sizing criteria used and provide the calculated design flow or volume to be treated:

Treatment System Component	Hydraulic Sizing Criteria <i>Enter numbers from Table below</i>	Design Flow or Volume cfs or cu.ft.
Bioretention	2c - Simplified Method	

**CODING TABLE FOR HYDRAULIC SIZING CRITERIA**

Enter the appropriate number in the above column

1a: Volume – WEF Method	2a: Flow – Factored Flood Flow Method	3: Combination Flow and Volume Design Basis
1b: Volume – CASQA BMP Handbook Method	2b: Flow – CASQA BMP Handbook Method	
	2c: Flow – Uniform Intensity Method	

**5. HYDROMODIFICATION MANAGEMENT (HM) APPLICABILITY**

**5.a. Does the project create and/or replace one acre or more of impervious surface AND create an increase in total impervious surface from the pre-project condition (from page 2, is 2d.5 > 2d.1 AND 2d.6 is ≥ one acre)?**

- ☐ Yes. Continue to Question 5.b.  
☒ No. Project is exempt from Hydromodification Management.

**5.b. Is the project located in the green “Subwatersheds less than 65% Impervious” area on the [HM Applicability Map](#)?**

- ☐ Yes. Project must implement HM requirements. Continue to Question 5.c.  
☒ No. Project is exempt from Hydromodification Management.

**5.c. If Yes to 5.b, select the specific flow duration controls for Hydromodification Management.**

Check all that apply:

- ☐ Extended Detention Basin  
☐ Underground tank or vault  
☐ Bioretention with outlet control  
☐ Other: \_\_\_\_\_

**6. OPERATION & MAINTENANCE (O&M) CONTACT INFORMATION**

Please enter the contact information of the Responsible Party for Stormwater Treatment/Hydromodification Control O&M:

NAME	MAILING ADDRESS		EMAIL/PHONE
<b>RESPONSIBLE PARTY IN CHARGE OF O&amp;M</b>	STREET:		EMAIL:
NAME:	CITY:	ZIP:	PHONE:
<b>FIRM NAME</b> IF ANY:			

**7. FORM COMPLETED BY**

Alyson Goulden

3/30/2021

PRINT NAME

DATE

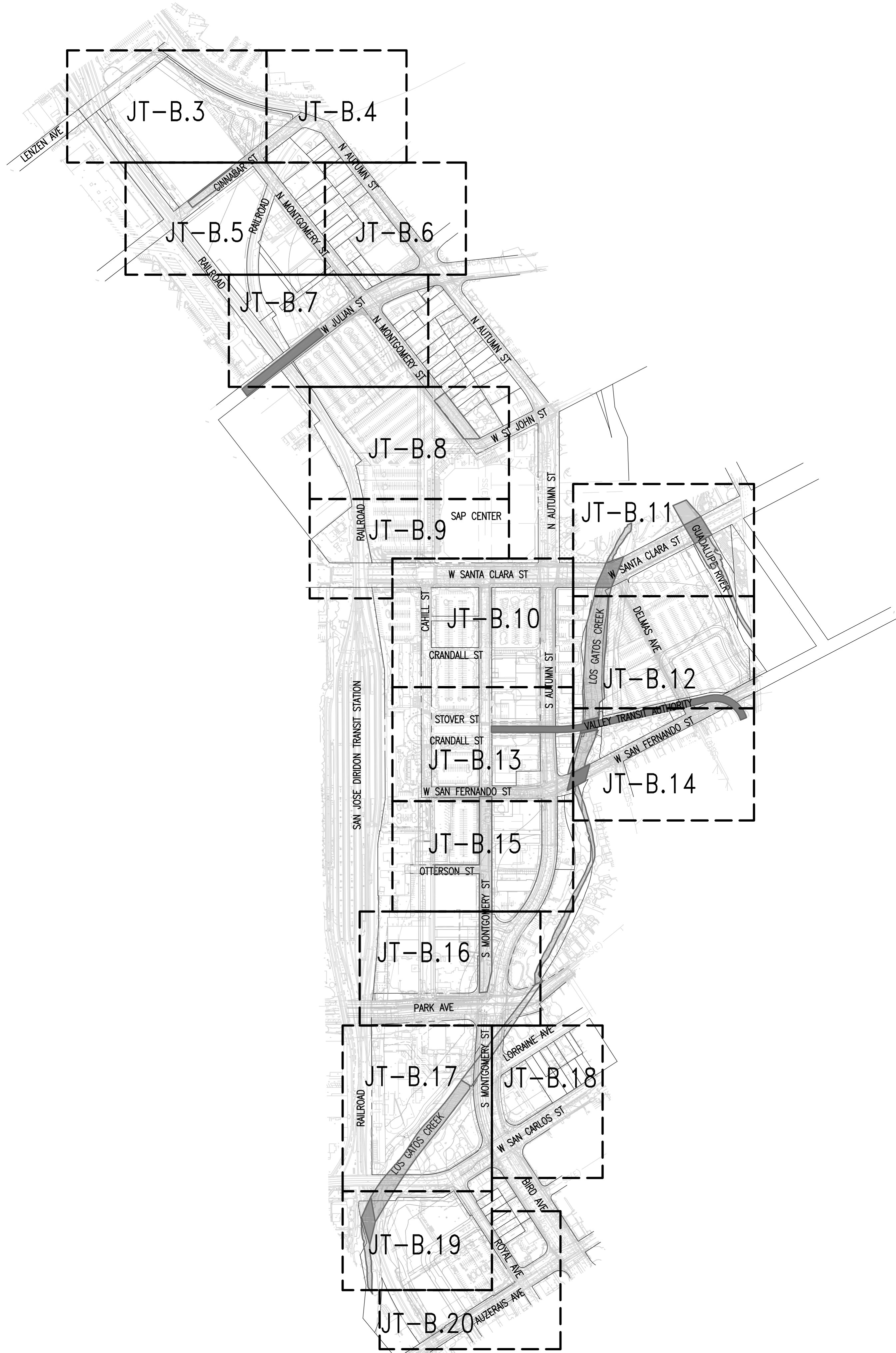






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SHEET INDEX

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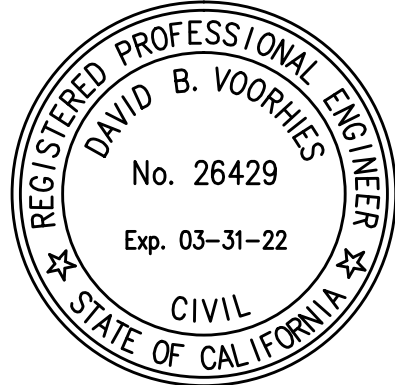
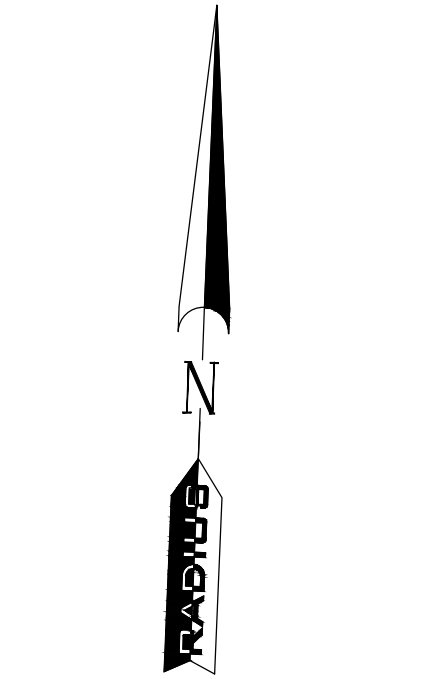
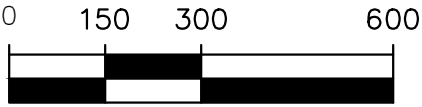
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JT-B.3 THRU B.20

JOINT TRENCH TITLE SHEET

OVERALL

JOINT TRENCH INTENT



OVERALL  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

RADIUS  
DESIGN

UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596  
Tel (925) 269-4575

PROJECT NUMBER:  
20-1072

SCALE:  
1" = 300'

PROJECT MANAGER:  
SCOTT HARDESTER

DRAWN BY:  
HENRY NGUYEN

CHECKED BY:  
CRAIG BURTON

LAST UPDATED:  
03-19-2021

DRAWING NUMBER:  
JT-B.2

REVISION

DATE:

DELTA NO:

DATE:

CALIFORNIA

SAN JOSE



UTILITIES  
PLEASE CONFIRM  
TIE IN LOCATIONS

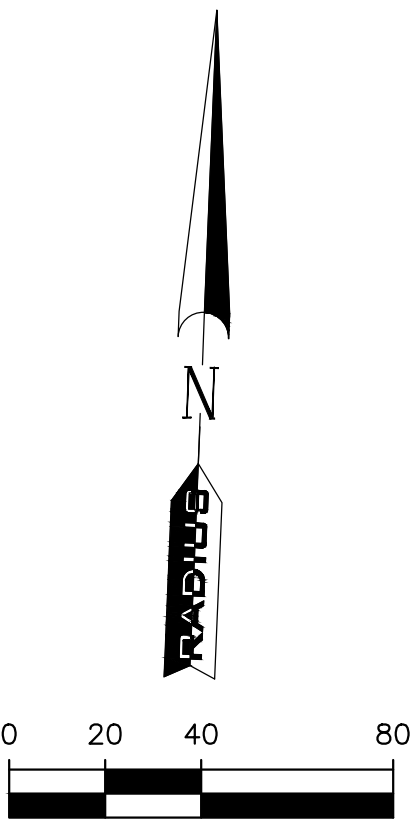
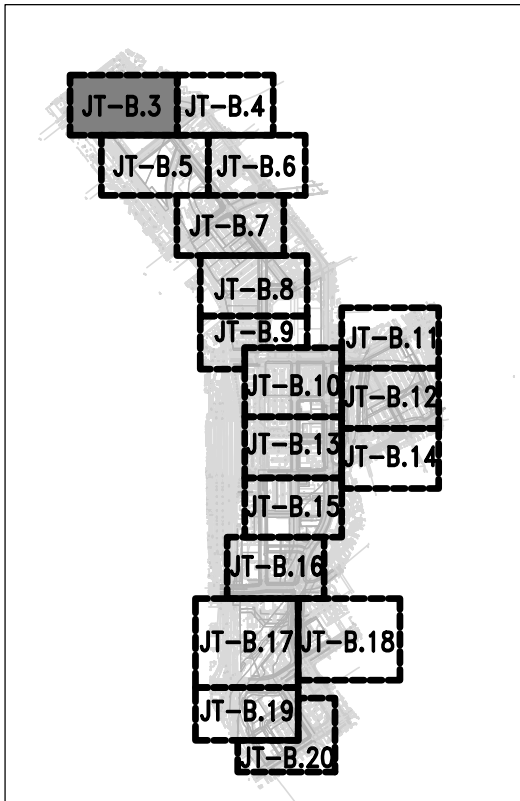
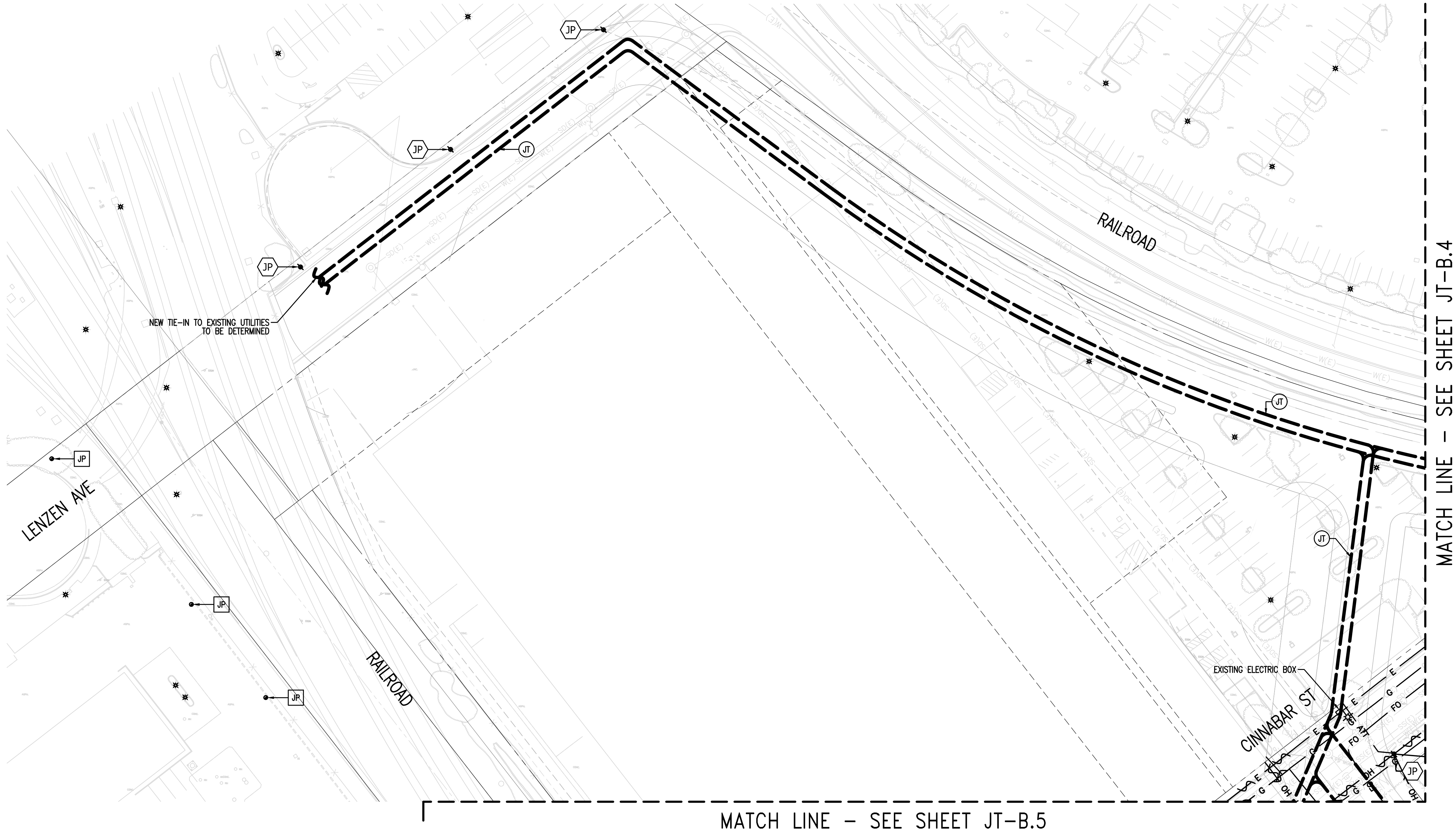
—PRELIMINARY—  
NOT FOR CONSTRUCTION

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UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:  
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REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

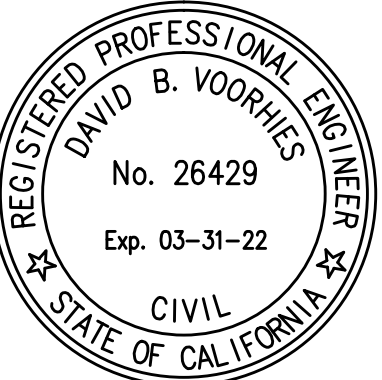
LEGEND:	
NEW	DESCRIPTION
④	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
+	STREET LIGHT
+	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

DATE:	
REVISION:	
DELTA NO:	



SHEET INDEX MAP  
N. T. S.

SHEET INDEX	
JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT



NOTE TO COMCAST:  
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND  
VAULTS. DEVELOPER TO PROVIDE TRENCH.

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DOCUMENT FOR SMART METER ANTENNA  
CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A  
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SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

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APPROVED CONDUITS, BENDS, AND FITTINGS, SEE  
PG&E BULLETIN TD-062288-B006.

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS DESIGN**  
UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596  
Tel (925) 269-4575

PROJECT NUMBER:  
20-1072

SCALE:  
1" = 40'

PROJECT MANAGER:  
SCOTT HARDESTER

DRAWN BY:  
HENRY NGUYEN

CHECKED BY:  
CRAIG BURTON

LAST UPDATED:  
03-19-2021

DRAWING NUMBER:  
**JT-B.3**

SHEET: 3 OF: 20



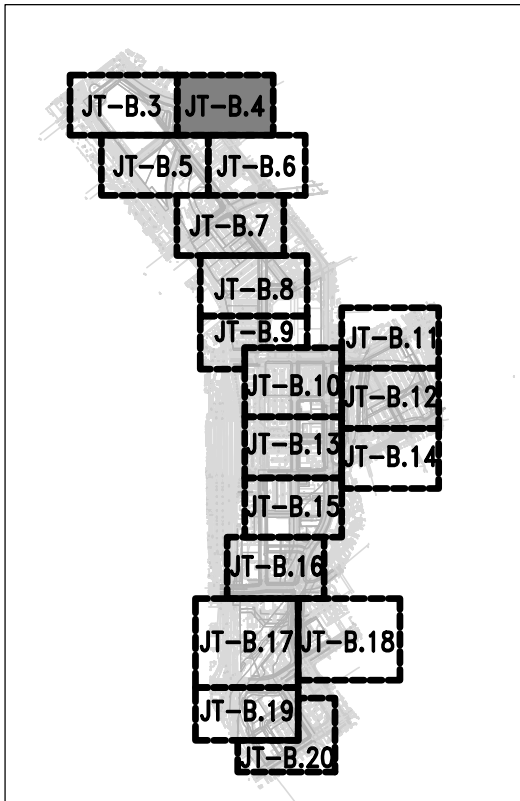
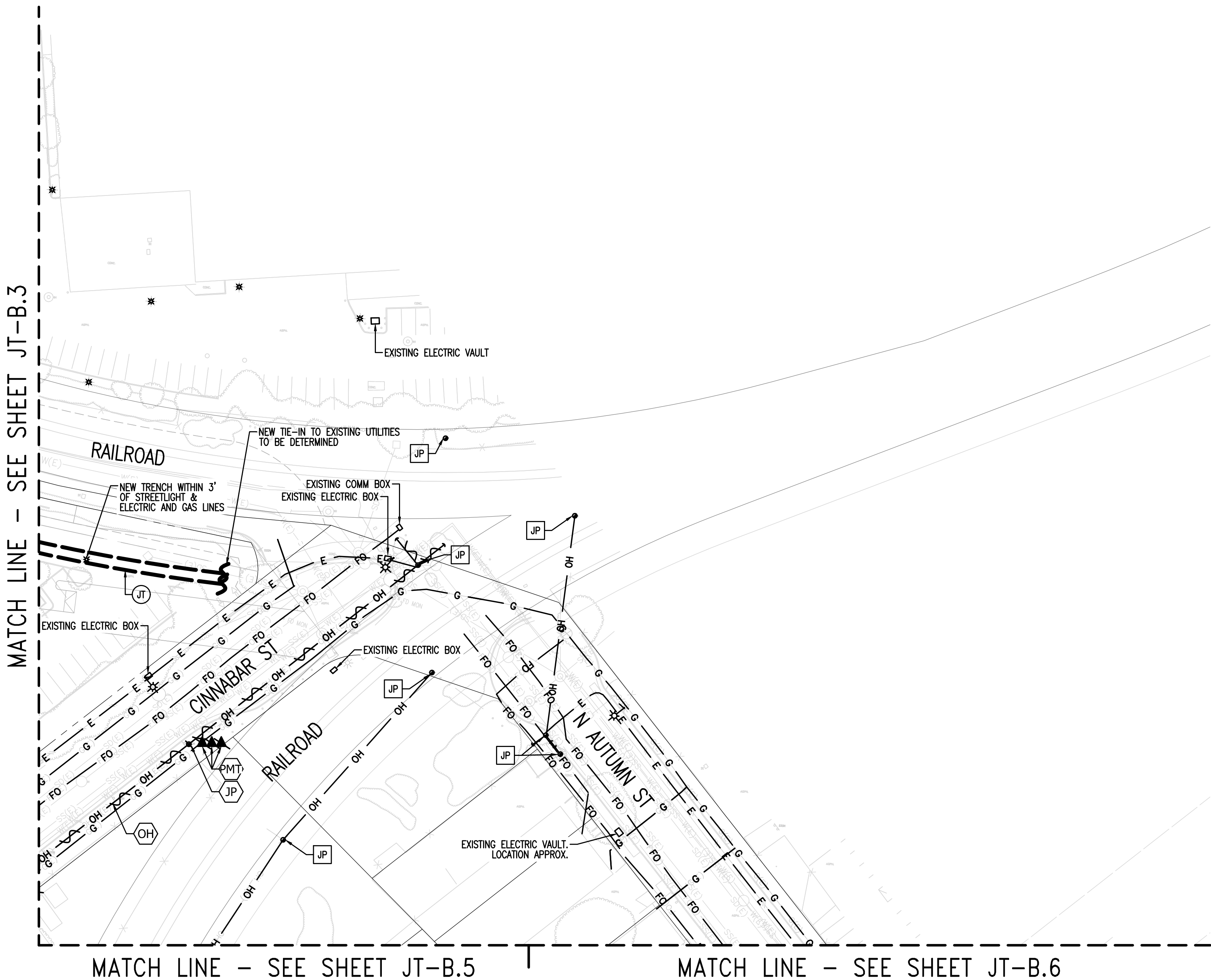
UTILITIES  
PLEASE CONFIRM  
TIE IN LOCATIONS

—PRELIMINARY—  
NOT FOR CONSTRUCTION

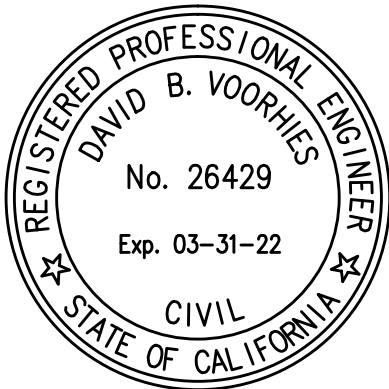
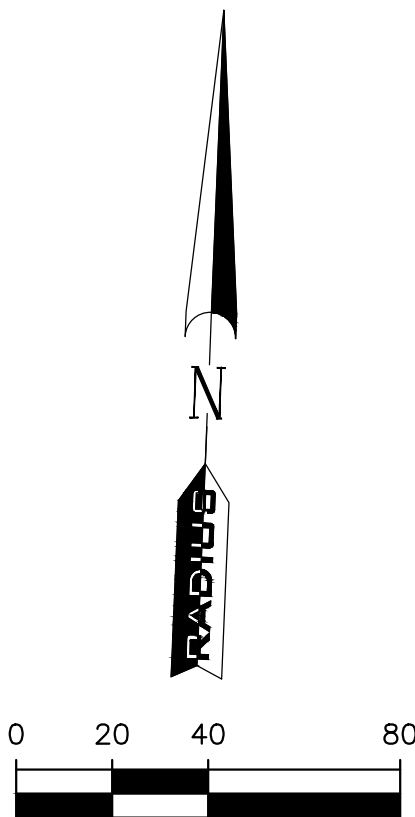
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LEGEND:	
NEW	DESCRIPTION
④	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OH OVERHEAD LINES
E	E ELECTRIC LINES
G	G GAS LINES
ATT	ATT AT&T LINES
C	C CATV LINES
FO	FO FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊕	STREET LIGHT
⊕	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX MAP  
N. T. S.



SHEET INDEX	
JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT

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DATE:	
REVISION:	
DELTA NO:	

CALIFORNIA

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS** DESIGN  
UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596  
Tel (925) 269-4575

PROJECT NUMBER:  
20-1072  
SCALE:  
1" = 40'  
PROJECT MANAGER:  
SCOTT HARDESTER  
DRAWN BY:  
HENRY NGUYEN  
CHECKED BY:  
CRAIG BURTON  
LAST UPDATED:  
03-19-2021  
DRAWING NUMBER:  
**JT-B.4**  
SHEET: 4 OF: 20



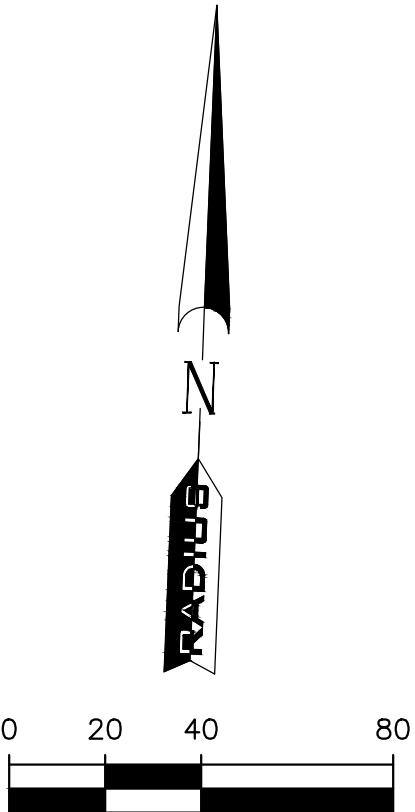
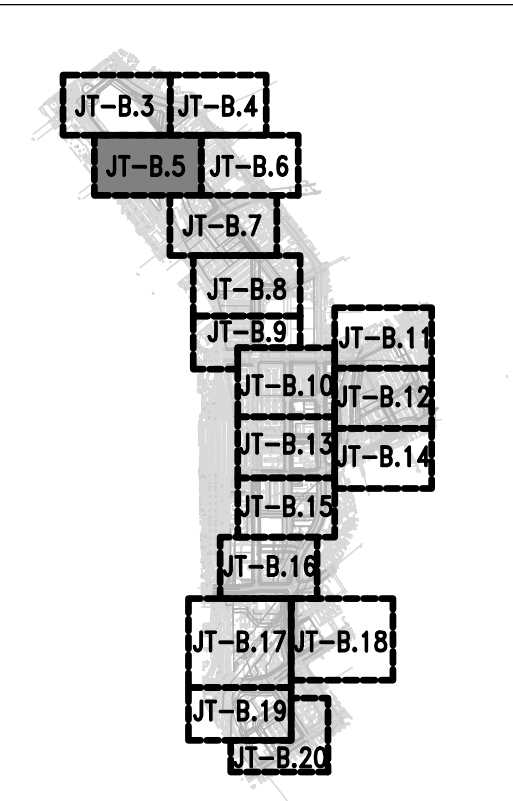
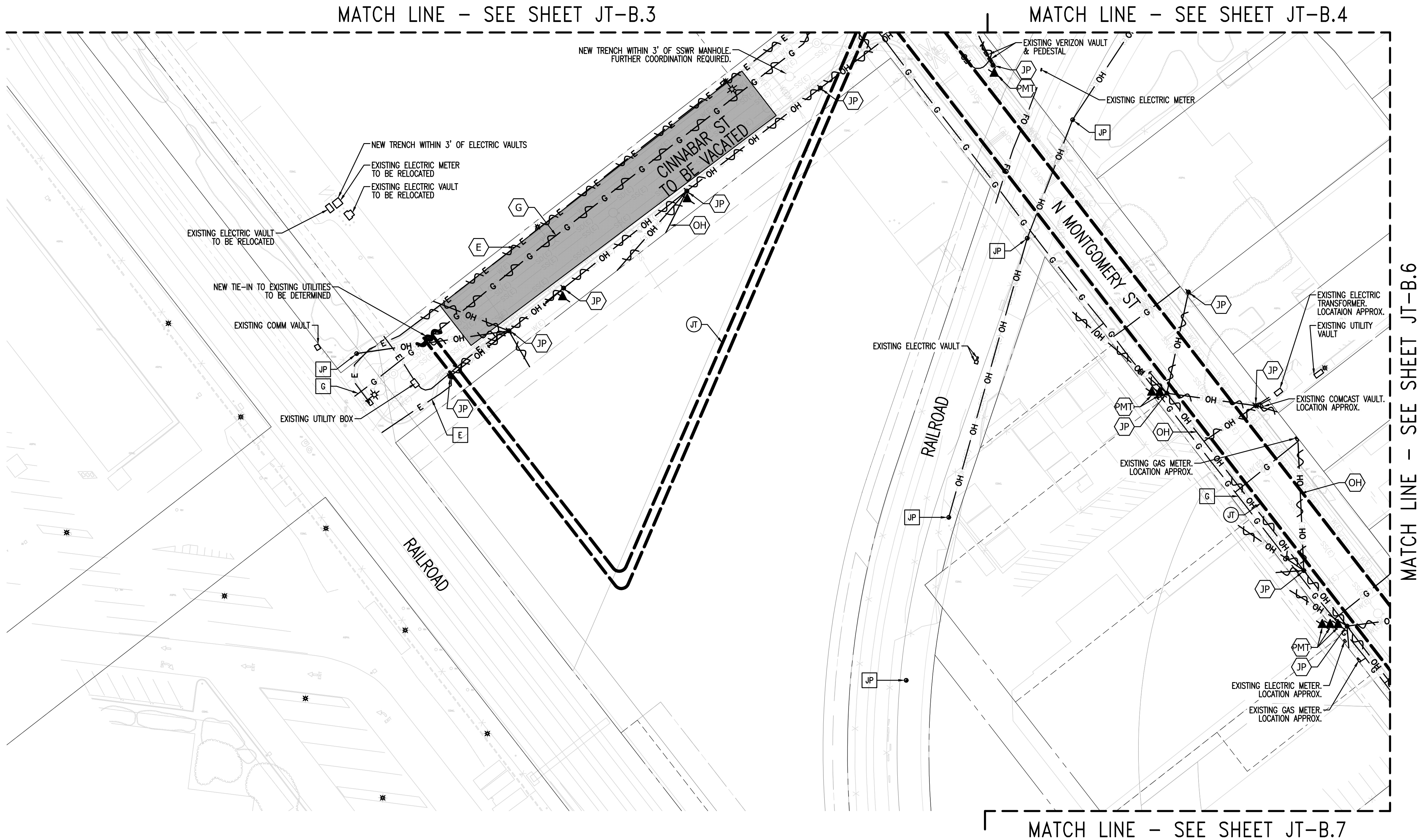
UTILITIES  
PLEASE CONFIRM  
TIE IN LOCATIONS

—PRELIMINARY—  
NOT FOR CONSTRUCTION

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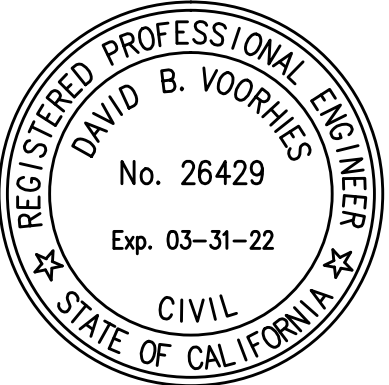
NOTE TO CONTRACTOR:  
FOR CONTRACTOR'S WORK RESPONSIBILITY,  
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:	
NEW	DESCRIPTION
—	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
JP	JOINT POLE
PM	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
SL	STREET LIGHT
TL	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
JP	EXISTING JOINT POLE TO BE REMOVED
PM	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX MAP  
N. T. S.

SHEET INDEX	
JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU JT-B.20	JOINT TRENCH INTENT



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JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS** DESIGN  
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1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596  
Tel (925) 269-4575

PROJECT NUMBER:  
20-1072  
SCALE:  
1" = 40'  
PROJECT MANAGER:  
SCOTT HARDESTER  
DRAWN BY:  
HENRY NGUYEN  
CHECKED BY:  
CRAIG BURTON  
LAST UPDATED:  
03-19-2021  
DRAWING NUMBER:  
**JT-B.5**  
SHEET: 5 OF: 20



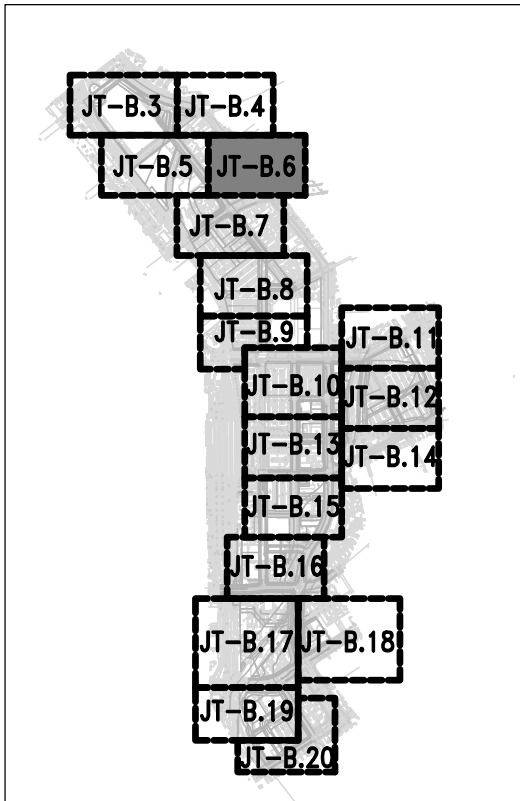
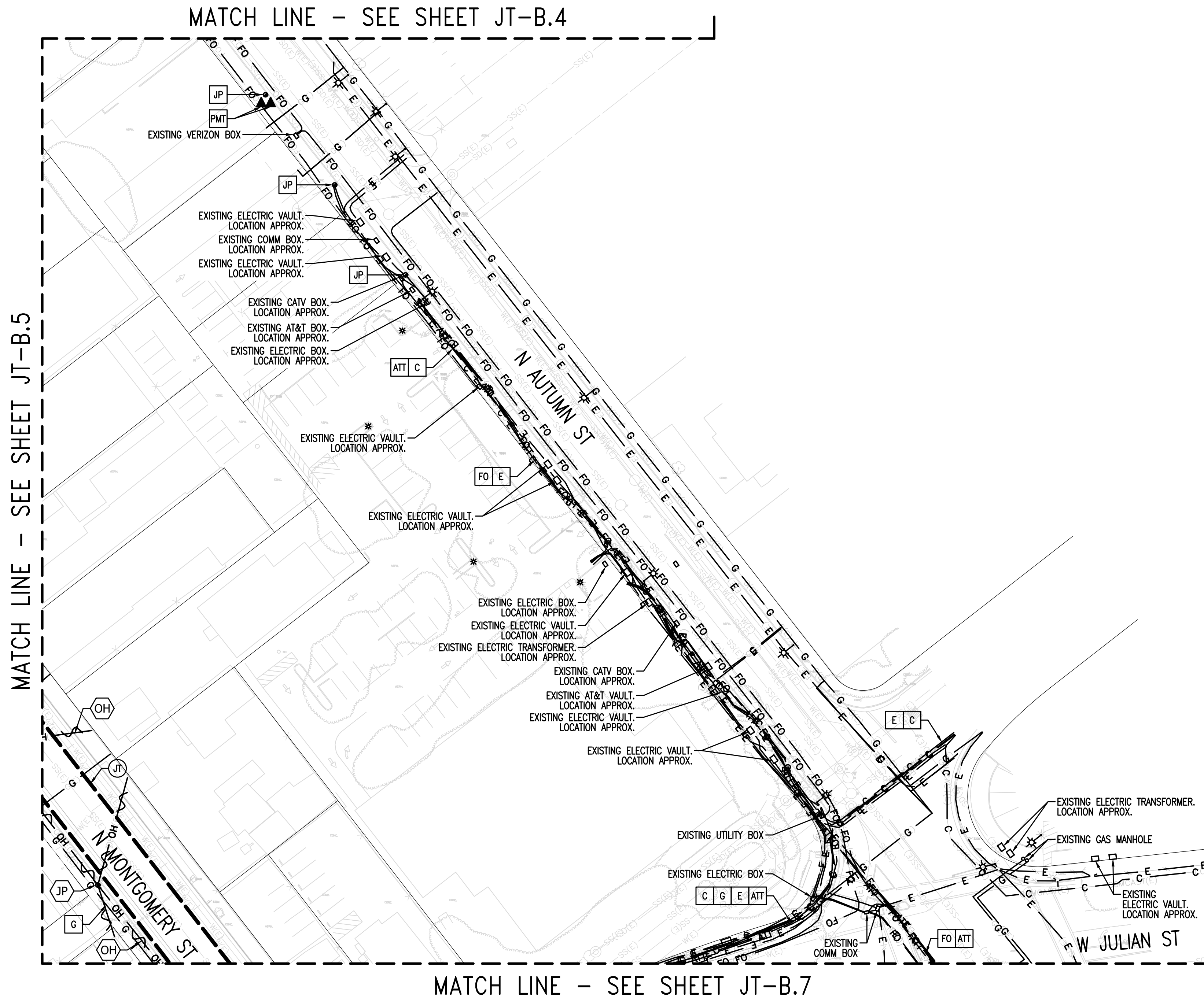
UTILITIES  
PLEASE CONFIRM  
TIE IN LOCATIONS

—PRELIMINARY—  
NOT FOR CONSTRUCTION

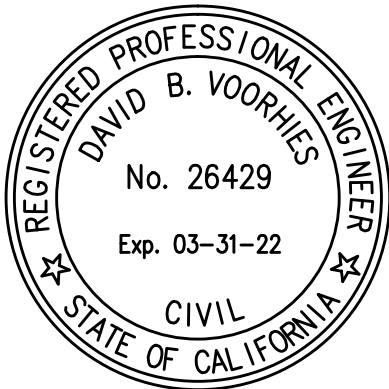
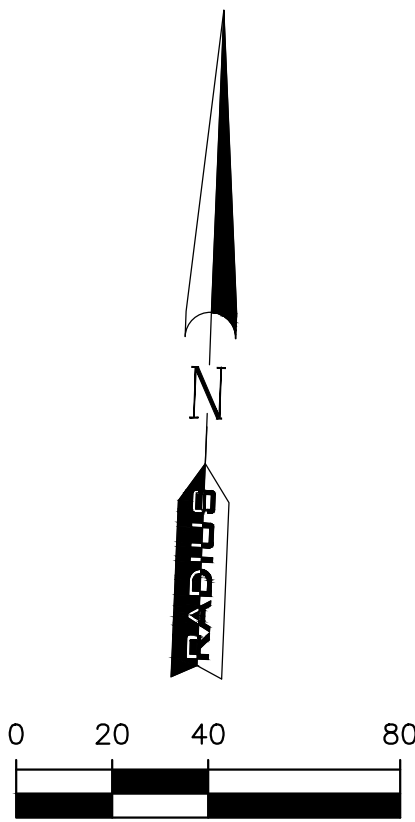
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LEGEND:	
NEW	DESCRIPTION
—	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OH OVERHEAD LINES
E	E ELECTRIC LINES
G	G GAS LINES
ATT	ATT AT&T LINES
C	C CATV LINES
FO	FO FIBER OPTIC LINES
JP	JOINT POLE
PM	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
SL	STREET LIGHT
TL	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
JP	EXISTING JOINT POLE TO BE REMOVED
PM	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX MAP  
N. T. S.



SHEET INDEX	
JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT

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PG&E BULLETIN TD-062288-8006.

DATE:	
REVISION:	
DELTA NO:	

CALIFORNIA  
REGISTERED PROFESSIONAL ENGINEER

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS** DESIGN  
UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596  
Tel (925) 269-4575

PROJECT NUMBER:  
20-1072  
SCALE:  
1" = 40'  
PROJECT MANAGER:  
SCOTT HARDESTER  
DRAWN BY:  
HENRY NGUYEN  
CHECKED BY:  
CRAIG BURTON  
LAST UPDATED:  
03-19-2021  
DRAWING NUMBER:  
**JT-B.6**  
SHEET: 6 OF: 20















UTILITIES  
PLEASE CONFIRM  
TIE IN LOCATIONS

1-PRELIMINARY-  
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NOTE TO CONTRACTOR:  
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LEGEND:

NEW		DESCRIPTION	
(JT)	=====	JOINT TRENCH	
EXISTING		DESCRIPTION	
(OH)	_____	OH	OVERHEAD LINES
(E)	_____	E	ELECTRIC LINES
(G)	_____	G	GAS LINES
(ATT)	_____	ATT	AT&T LINES
(C)	_____	C	CATV LINES
(FO)	_____	FO	FIBER OPTIC LINES
(JP)	●	JP	JOINT POLE
(PMT)	▲	PMT	POLE-MOUNTED TRANSFORMER
(DL)	✱	DL	DECORATIVE LIGHT
(SL)	⚡	SL	STREET LIGHT
(TS)	⚡	TS	TRAFFIC SIGNAL LIGHT
(OH)	 OH 	EXISTING OVERHEAD LINE TO BE REMOVED	
(E)	 E 	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED	
(G)	 G 	EXISTING GAS LINE TO BE REMOVED/RELOCATED	
(ATT)	 ATT 	EXISTING PHONE LINE TO BE REMOVED/RELOCATED	
(FO)	 FO 	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED	
(JP)		EXISTING JOINT POLE TO BE REMOVED	
(PMT)		EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED	

MATCH LINE - SEE SHEET JT-B.5

MATCH LINE - SEE SHEET JT-B.6

MATCH LINE - SEE SHEET JT-B.8

DELTA NO:	REVISION	DATE:

CALIFORNIA

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS**  
**DESIGN LLC**

UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94598  
Tel (925) 269-4575

PROJECT NUMBER: <b>20-1072</b>
SCALE: <b>1" = 40'</b>
PROJECT MANAGER: <b>SCOTT HARDESTER</b>
DRAWN BY: <b>HENRY NGUYEN</b>
CHECKED BY: <b>CRAIG BURTON</b>
LAST UPDATED: <b>03-19-2021</b>
DRAWING NUMBER: <b>JT-B.7</b>
SHEET: <b>7</b> OF <b>20</b>

DRAWING NAME: Friday, March 19, 2021 3:33:33 PM  
PLOT DATE: HENRY  
PLOTTED BY:

NOTE TO COMCAST:  
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SHEET (IT-B 1) REGARDING EXISTING CONDITIONS

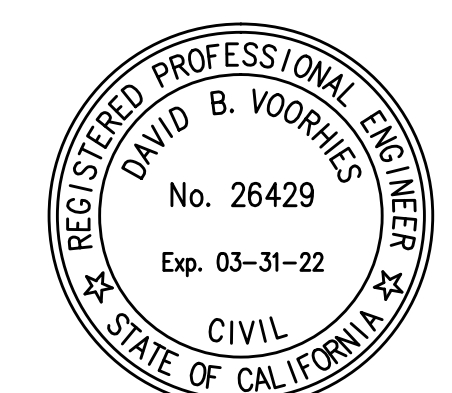
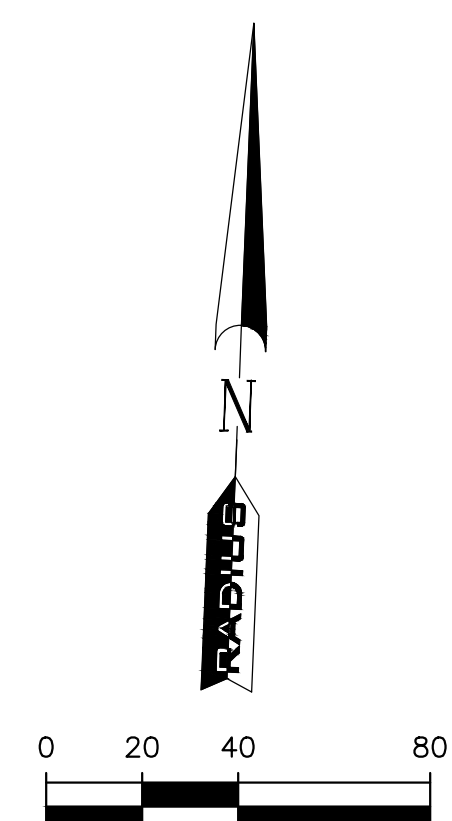
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PG&E BULLETIN TO 062388, 8/06

Diagram illustrating a sequence of blocks (JT-B.3 through JT-B.20) arranged in a zig-zag pattern, likely representing a process flow or a sequence of steps.

SHEET INDEX MAP  
N. T. S.

SHEET INDEX

JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT





UTILITIES  
PLEASE CONFIRM  
TIE IN LOCATIONS

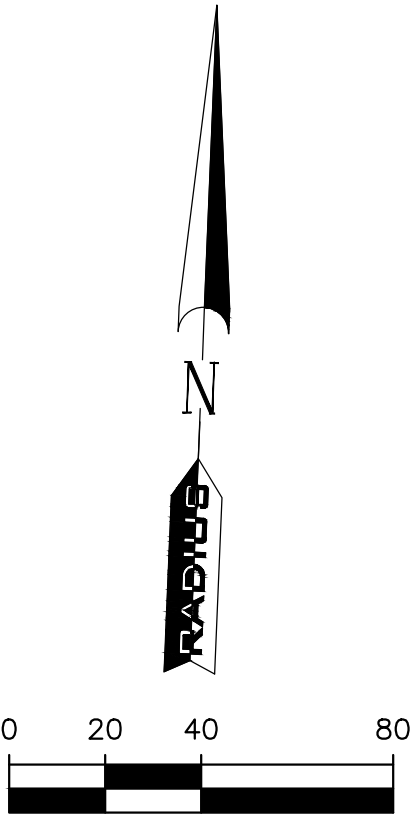
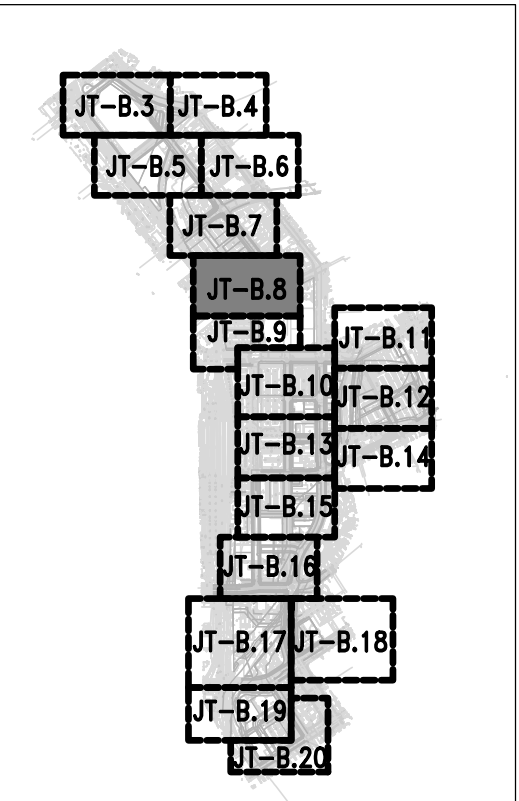
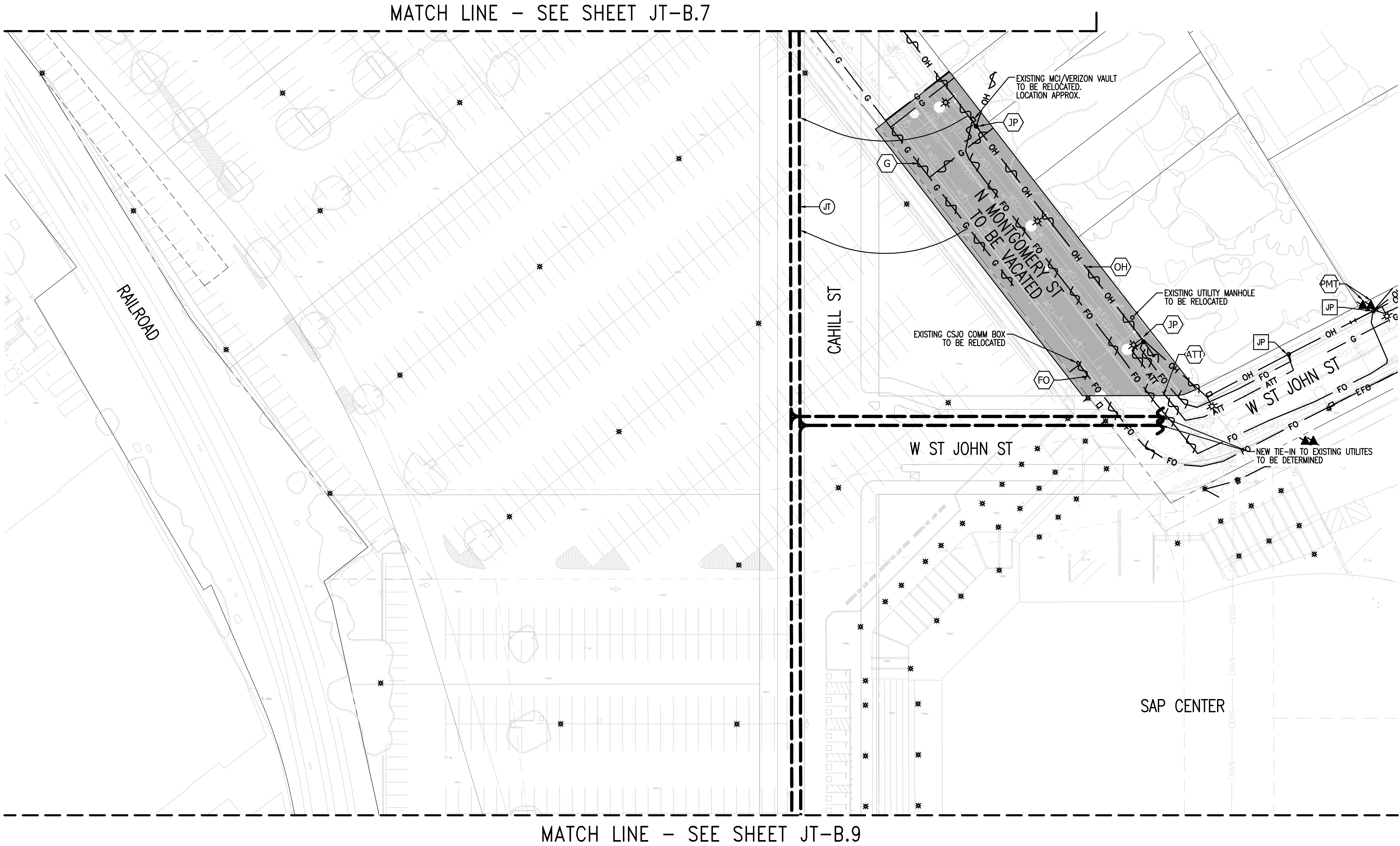
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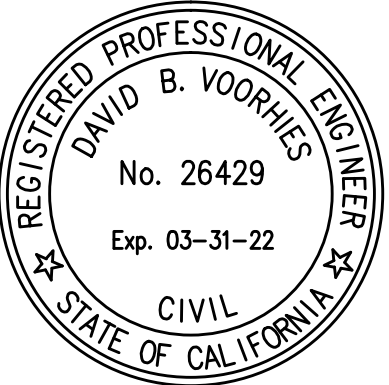
LEGEND:	
NEW	DESCRIPTION
Ⓢ	JOINT TRENCH
EXISTING	
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊙	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

DATE:	
REVISION:	
DELTA NO:	



SHEET INDEX MAP  
N. T. S.

SHEET INDEX	
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JT-B.2	OVERALL
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JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

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1" = 40'  
PROJECT MANAGER:  
SCOTT HARDESTER  
DRAWN BY:  
HENRY NGUYEN  
CHECKED BY:  
CRAIG BURTON  
LAST UPDATED:  
03-19-2021  
DRAWING NUMBER:  
**JT-B.8**  
SHEET: 8 OF: 20



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UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

<p align="center"><u>NOTE TO CONTRACTOR:</u> FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)</p>	<p>DATE:</p>
---	--------------

LEGEND:

NEW		DESCRIPTION	
		JOINT TRENCH	
EXISTING		DESCRIPTION	
	OH	— OH	OVERHEAD LINES
	E	— E	ELECTRIC LINES
	G	— G	GAS LINES
	ATT	— ATT	AT&T LINES
	C	— C	CATV LINES
	FO	— FO	FIBER OPTIC LINES
	JP	●	JOINT POLE
	PMT	▲	POLE-MOUNTED TRANSFORMER
	DL	✱	DECORATIVE LIGHT
	SL	⚡	STREET LIGHT
	TS	⚡	TRAFFIC SIGNAL LIGHT
	OH		EXISTING OVERHEAD LINE TO BE REMOVED
	E		EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
	G		EXISTING GAS LINE TO BE REMOVED/RELOCATED
	ATT		EXISTING PHONE LINE TO BE REMOVED/RELOCATED
	FO		EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
	JP	●	EXISTING JOINT POLE TO BE REMOVED
	PMT	▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

CALIFORNIA

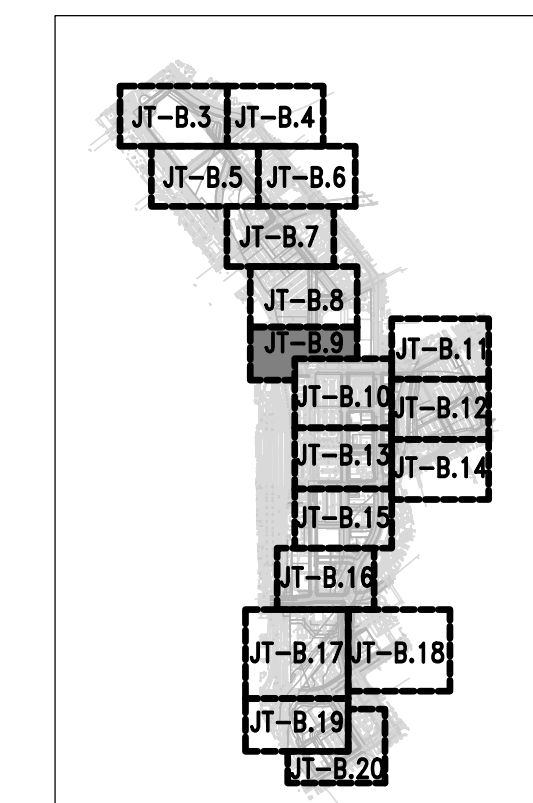
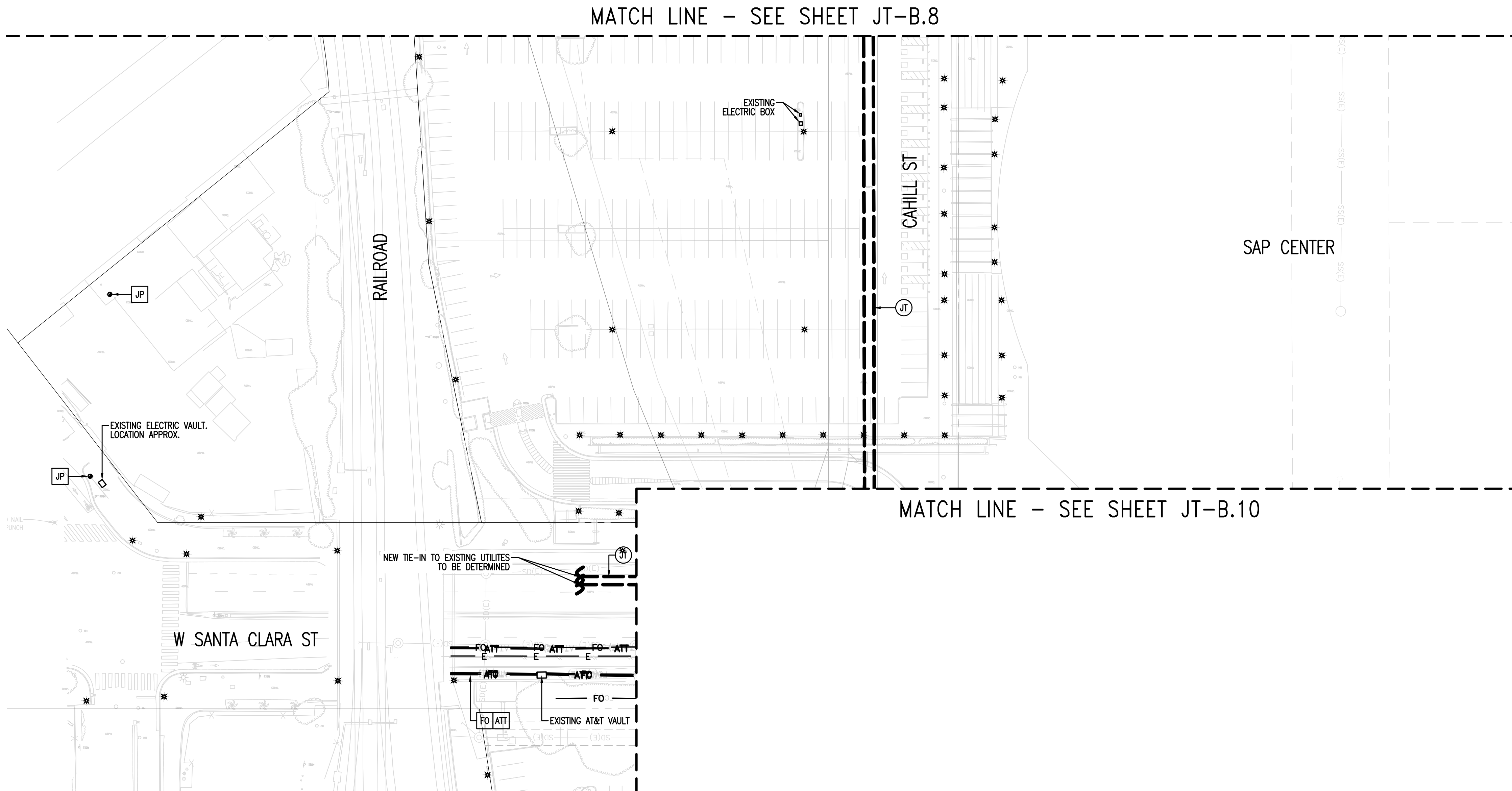
JOINT FRENCH INTER-  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

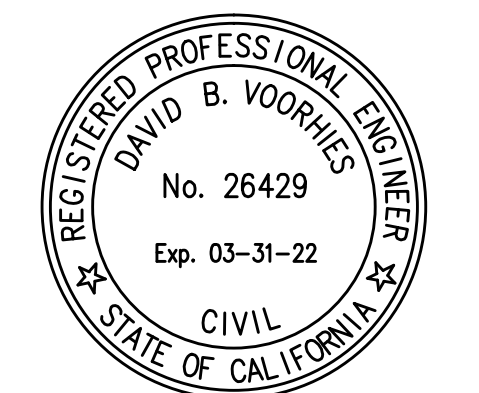
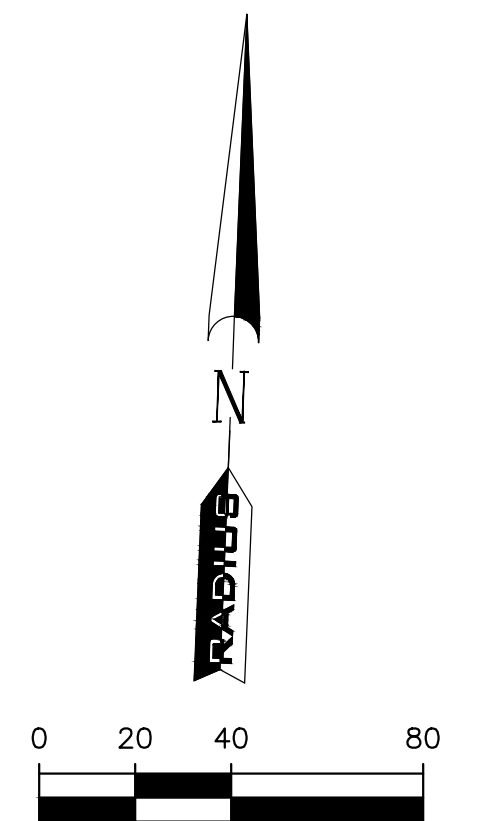
**RADIUS**  
**DESIGN LLC**

UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94595  
Tel (925) 269-4575

PROJECT NUMBER: <b>20-1072</b>	
LE: <b>1" = 40'</b>	
PROJECT MANAGER: <b>SCOTT HARDESTER</b>	
DRAWN BY: <b>HENRY NGUYEN</b>	
CHECKED BY: <b>CRAIG BURTON</b>	
DATE UPDATED: <b>03-19-2021</b>	
DRAWING NUMBER: <b>JT-B.9</b>	
HEET: <b>9</b>	OF: <b>20</b>



SHEET INDEX MAP  
N. T. S.



SHEET INDEX

JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT

NOTE TO COMCAST:  
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND  
VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005  
DOCUMENT FOR SMART METER ANTENNA  
CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A  
LICENSED SURVEYOR PRIOR TO CONSTRUCTION.  
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE  
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

**NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:**  
USE OF PVC DB-120 IS NO LONGER APPROVED BY  
PG&E FOR ANY CONDUIT SIZES, BENDS, AND  
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED  
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL  
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE  
PG&E BULLETIN TD-062288-B006.

DRAWING NAME:  
PLOT DATE: Friday, March 19, 2021 3:33:33 PM  
PLOTTED BY: HENRY



PLEASE CONFIRM  
TIE IN LOCATIONS

–PRELIMINARY–  
NOT FOR CONSTRUCTION

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NOTE TO CONTRACTOR:  
FOR CONTRACTOR'S WORK RESPONSIBILITY,  
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW		DESCRIPTION	
JT		JOINT TRENCH	
EXISTING		DESCRIPTION	
OH		OH	OVERHEAD LINES
E		E	ELECTRIC LINES
G		G	GAS LINES
ATT		ATT	AT&T LINES
C		C	CATV LINES
FO		FO	FIBER OPTIC LINES
JP		JP	JOINT POLE
PMPT		PMPT	POLE-MOUNTED TRANSFORMER
DL		DL	DECORATIVE LIGHT
SL		SL	STREET LIGHT
TS		TS	TRAFFIC SIGNAL LIGHT
OH		OH	EXISTING OVERHEAD LINE TO BE REMOVED
E		E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G		G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT		ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO		FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
JP		JP	EXISTING JOINT POLE TO BE REMOVED
PMPT		PMPT	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



CALIFORNIA

JOINT FRENCH INDEPENDENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS**  
**DESIGN LLC**  
ARCHITECTS, INTERIORS, LANDSCAPE ARCHITECTS, PLANNING, ENVIRONMENTAL DESIGN, AND ENGINEERS

Tel (925) 269-4575

ECT NUMBER:	20-1072
E:	1' = 40'
ECT MANAGER:	COTT HARDESTER
YN BY:	HENRY NGUYEN
KED BY:	CRAIG BURTON
UPDATED:	03-19-2021
IVING NUMBER:	UT-B.10
ECT:	10 OF 20

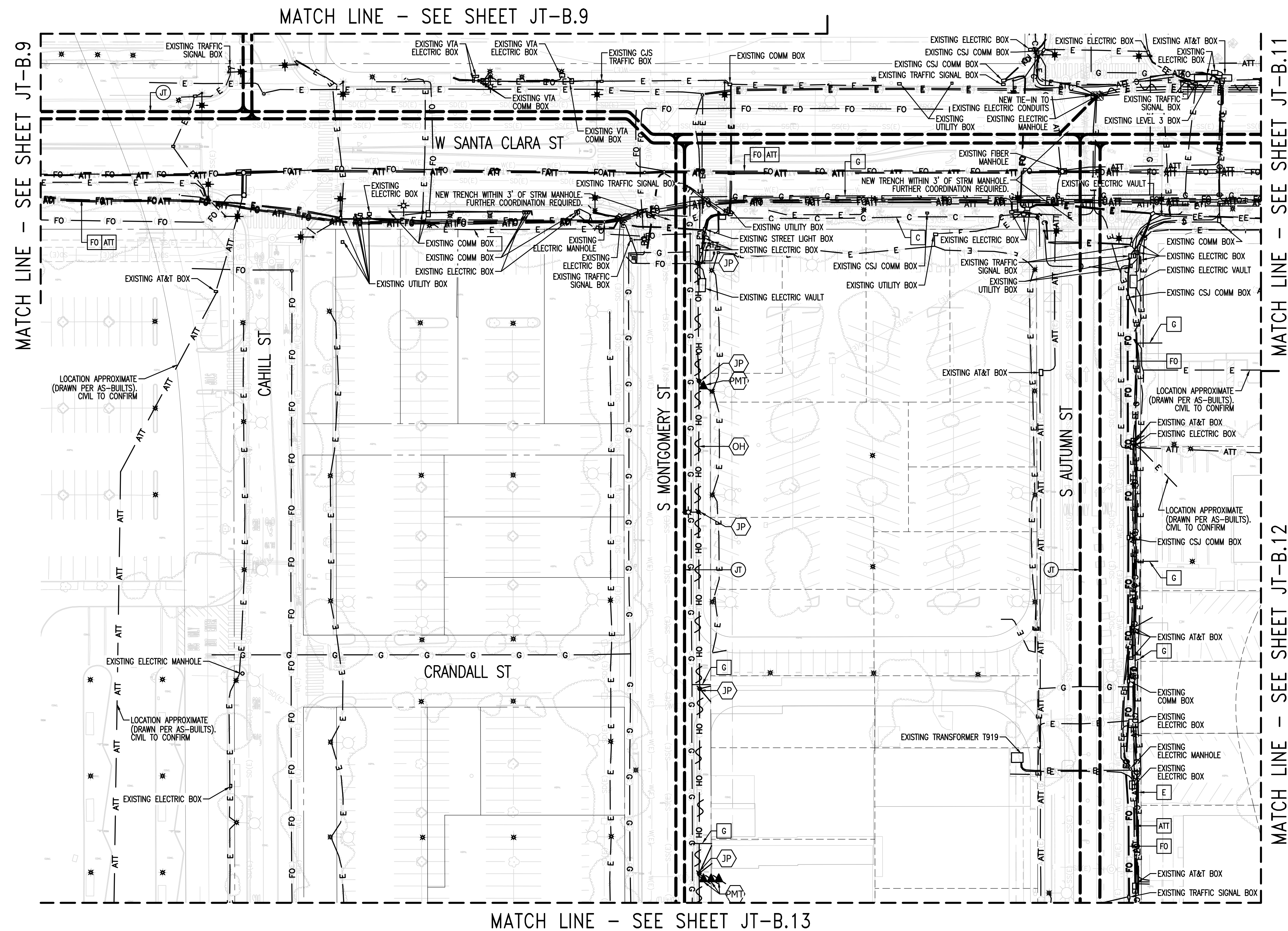
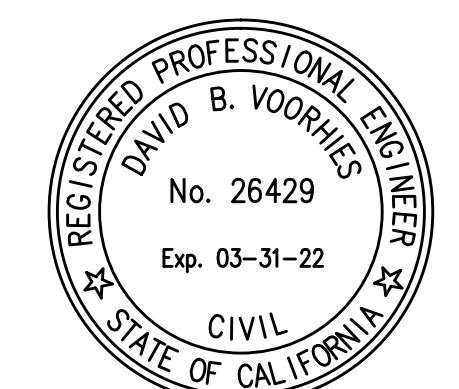
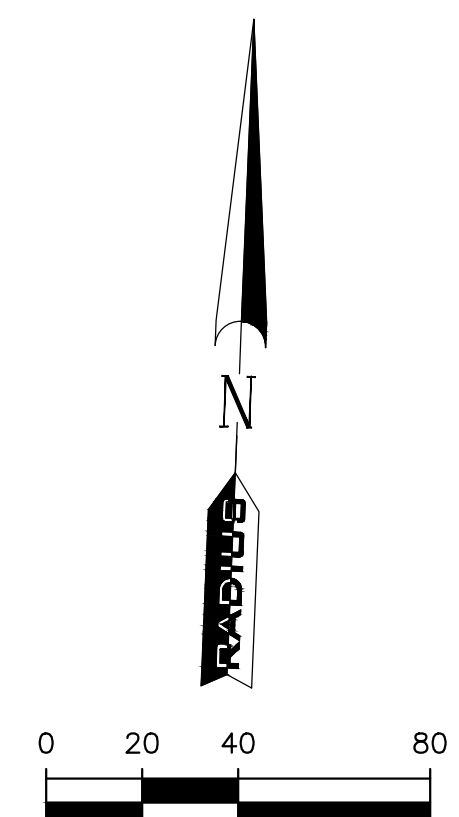


Diagram illustrating a sequence of 18 numbered boxes (JT-B.3 to JT-B.20) arranged in a descending staircase pattern, connected by lines, representing a flow or sequence.

SHEET INDEX MAP  
N. T. S.

SHEET INDEX

JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT



NOTE TO COMCAST:  
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND  
VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005  
DOCUMENT FOR SMART METER ANTENNA  
CONSTRUCTION REQUIREMENTS.

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SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE  
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

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PG&E FOR ANY CONDUIT SIZES, BENDS, AND  
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED  
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL  
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE  
PG&E BUILDING TD-062288-R006.

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PLOT DATE: HENRY  
PLOT BY:








































PLEASE CONFIRM  
TIE IN LOCATIONS

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<p align="center"><u>NOTE TO CONTRACTOR:</u>          FOR CONTRACTOR'S WORK RESPONSIBILITY,          REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)</p>	<p>DATE:</p>
---	--------------

LEGEND:

NEW		DESCRIPTION	
	JOINT TRENCH		
EXISTING		DESCRIPTION	
	OH		OVERHEAD LINES
	E		ELECTRIC LINES
	G		GAS LINES
	ATT		AT&T LINES
	C		CATV LINES
	FO		FIBER OPTIC LINES
	JP		JOINT POLE
	PMT		POLE-MOUNTED TRANSFORMER
	DL		DECORATIVE LIGHT
	SL		STREET LIGHT
	TS		TRAFFIC SIGNAL LIGHT
	OH		EXISTING OVERHEAD LINE TO BE REMOVED
	E		EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
	G		EXISTING GAS LINE TO BE REMOVED/RELOCATED
	ATT		EXISTING PHONE LINE TO BE REMOVED/RELOCATED
	FO		EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
	JP		EXISTING JOINT POLE TO BE REMOVED
	PMT		EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

[illegible]

CALIFORNIA

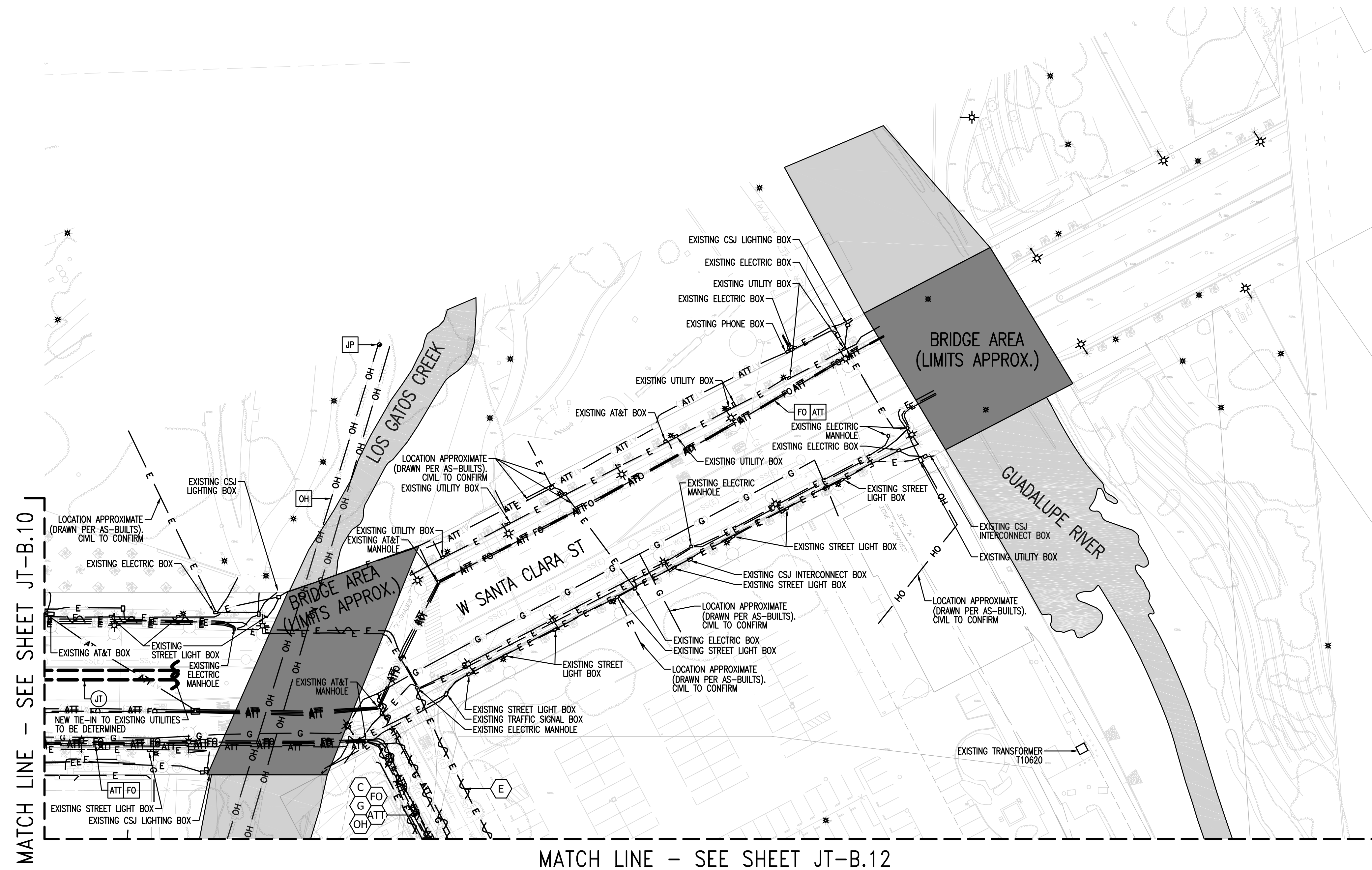
**JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA**

SAN JOSE

**RADIUS**  
DESIGN LLC

UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94599  
Tel (925) 269-4575

PROJECT NUMBER:	20-1072	
SCALE:	1" = 40'	
PROJECT MANAGER:	SCOTT HARDESTER	
DRAWN BY:	HENRY NGUYEN	
CHECKED BY:	CRAIG BURTON	
POST DATED:	03-19-2021	
DRAWING NUMBER:	JT-B.11	
EET:	11	OF: 20



MATCH LINE - SEE SHEET JT-B.10

MATCH LINE - SEE SHEET JT-B.12

Diagram illustrating the arrangement of blocks in a staircase pattern, labeled JT-B.3 through JT-B.20.

SHEET INDEX MAP  
N. T. S.

SHEET INDEX	
JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT

REGISTERED PROFESSIONAL ENGINEER  
DAVID B. VOORHIES  
No. 26429  
Exp. 03-31-22  
CIVIL  
STATE OF CALIFORNIA

NOTE TO COMCAST:  
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND  
VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005  
DOCUMENT FOR SMART METER ANTENNA  
CONSTRUCTION REQUIREMENTS.

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LICENSED SURVEYOR PRIOR TO CONSTRUCTION.  
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE  
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

**NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:**  
USE OF PVC DB-120 IS NO LONGER APPROVED BY PG&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BLUEPRINT TO-062288-R006

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PLOT DATE: HENRY  
PLOT BY:








































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---	--------------

LEGEND:

NEW		DESCRIPTION	
	JOINT TRENCH		
EXISTING		DESCRIPTION	
	OH		OVERHEAD LINES
	E		ELECTRIC LINES
	G		GAS LINES
	ATT		AT&T LINES
	C		CATV LINES
	FO		FIBER OPTIC LINES
	JP		JOINT POLE
	PMT		POLE-MOUNTED TRANSFORMER
	DL		DECORATIVE LIGHT
	SL		STREET LIGHT
	TS		TRAFFIC SIGNAL LIGHT
	OH		EXISTING OVERHEAD LINE TO BE REMOVED
	E		EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
	G		EXISTING GAS LINE TO BE REMOVED/RELOCATED
	ATT		EXISTING PHONE LINE TO BE REMOVED/RELOCATED
	FO		EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
	JP		EXISTING JOINT POLE TO BE REMOVED
	PMT		EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



CALIFORNIA

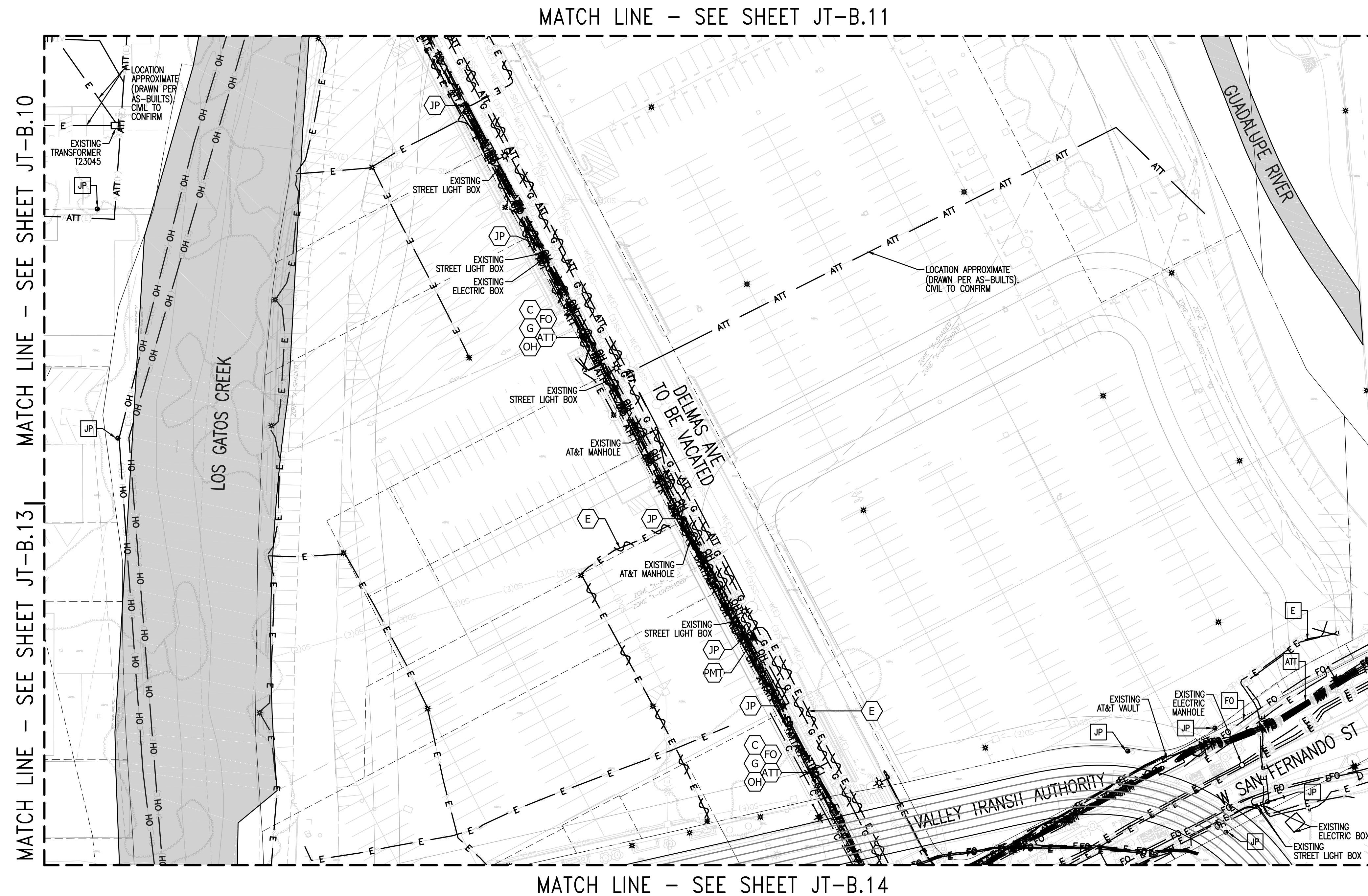
**JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA**

SAN JOSE

**RADIUS**  
DESIGN LLC

UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA I AVE SUITE 420 WAI NUT CREEK CA 94596  
TEL: 925.938.8800 FAX: 925.938.8801  
WWW.RADIUSDESIGN.COM

PROJECT NUMBER: <b>20-1072</b>
SCALE: <b>1" = 40'</b>
PROJECT MANAGER: <b>SCOTT HARDESTER</b>
DRAWN BY: <b>HENRY NGUYEN</b>
CHECKED BY: <b>CRAIG BURTON</b>
LAST UPDATED: <b>03-19-2021</b>
DRAWING NUMBER: <b>JT-B.12</b>
EET: <b>12</b> OF: <b>20</b>



MATCH LINE - SEE SHEET JT-B.13 | MATCH LINE - SEE SHEET JT-B.10

MATCH LINE - SEE SHEET JT-B.11

MATCH LINE - SEE SHEET JT-B.14

JT-B.3 JT-B.4

JT-B.5 JT-B.6

JT-B.7

JT-B.8

JT-B.9 JT-B.11

JT-B.10 JT-B.12

JT-B.13 JT-B.14

JT-B.15

JT-B.16

JT-B.17 JT-B.18

JT-B.19

JT-B.20

SHEET INDEX MAP  
N. T. S.

SHEET INDEX

JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT

A circular professional engineer seal for the State of California. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. The inner circle contains the name "DAVID B. VOORHIES" at the top, the number "No. 26429" in the center, the expiration date "Exp. 03-31-22" below it, and the word "CIVIL" at the bottom.

NOTE TO COMCAST:  
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VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005  
DOCUMENT FOR SMART METER ANTENNA  
CONSTRUCTION REQUIREMENTS.

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LICENSED SURVEYOR PRIOR TO CONSTRUCTION.  
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE  
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

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IN PLACE OF PVC DB-120 CONDUIT. FOR ALL  
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE  
PG&E BULLETIN TD-062288-B006.

DRAWING NAME: Friday, March 19, 2021 3:33:33 PM  
PLOT DATE: HENRY  
PLOTTED BY:



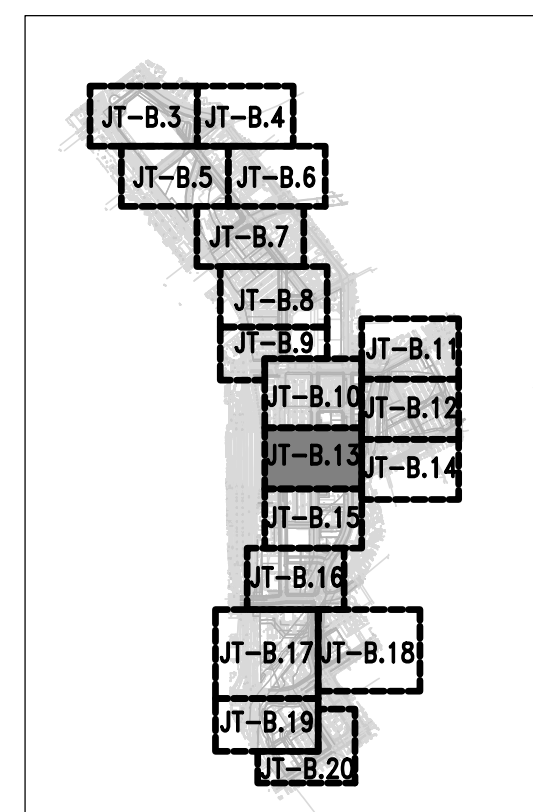
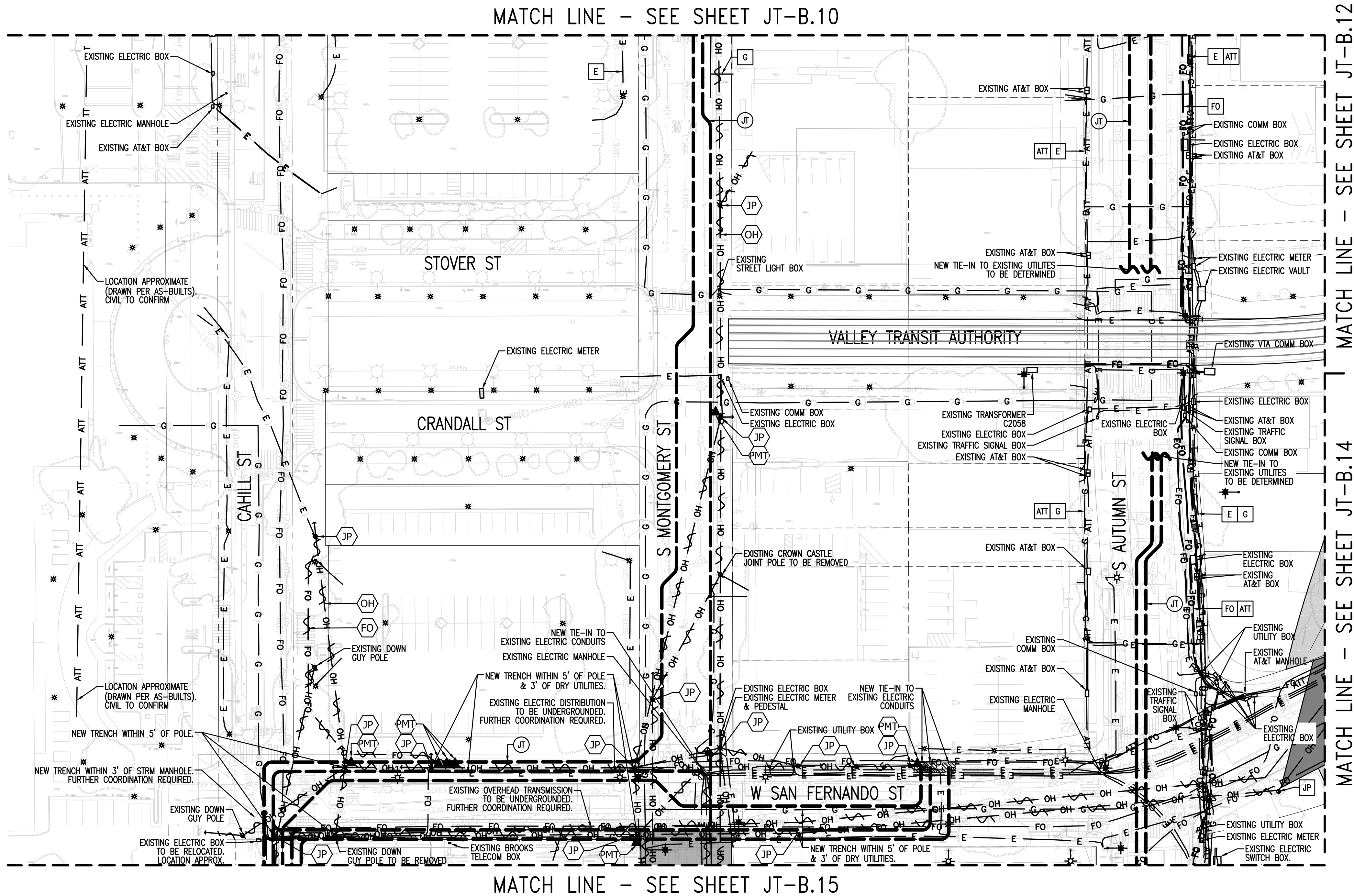
UTILITIES  
PLEASE CONFIRM  
TIE IN LOCATIONS

—PRELIMINARY—  
NOT FOR CONSTRUCTION

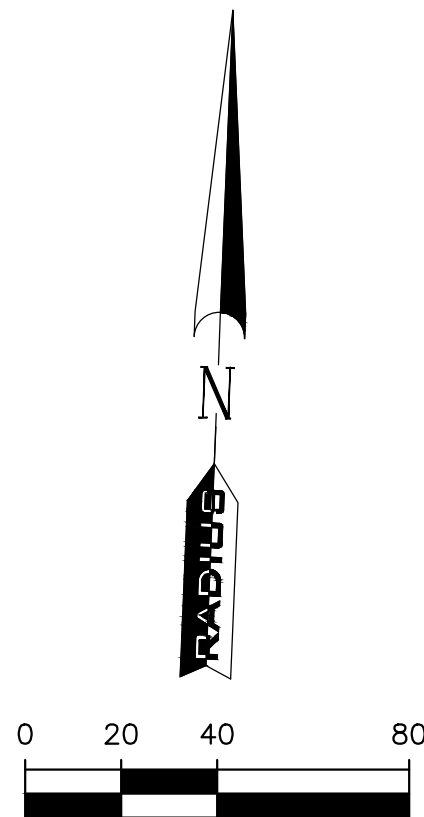
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NOTE TO CONTRACTOR:  
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LEGEND:	
NEW	DESCRIPTION
Ⓢ	JOINT TRENCH
EXISTING	
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊙	TRAFFIC SIGNAL LIGHT
⊙	EXISTING OVERHEAD LINE TO BE REMOVED
⊙	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
⊙	EXISTING GAS LINE TO BE REMOVED/RELOCATED
⊙	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
⊙	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
⊙	EXISTING JOINT POLE TO BE REMOVED
⊙	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

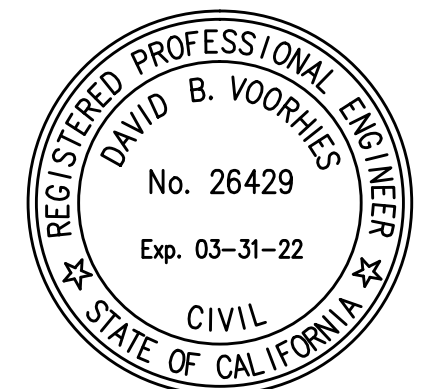


SHEET INDEX MAP  
N. T. S.



SHEET INDEX

JT-B.1 JOINT TRENCH TITLE SHEET  
JT-B.2 OVERALL  
JT-B.3 THRU JT-B.20 JOINT TRENCH INTENT



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DOCUMENT FOR SMART METER ANTENNA  
CONSTRUCTION REQUIREMENTS.

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SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

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PG&E BULLETIN TD-062288-8006.

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS**  
DESIGN  
UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596  
Tel (925) 269-4575

PROJECT NUMBER:  
20-1072  
SCALE:  
1" = 40'  
PROJECT MANAGER:  
SCOTT HARDESTER  
DRAWN BY:  
HENRY NGUYEN  
CHECKED BY:  
CRAIG BURTON  
LAST UPDATED:  
03-19-2021  
DRAWING NUMBER:  
**JT-B.13**  
SHEET: 13 OF 20



PLEASE CONFIRM  
TIE IN LOCATIONS

–PRELIMINARY–  
NOT FOR CONSTRUCTION

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---	--------------

LEGEND:

NEW		DESCRIPTION	
<b>JT</b>		JOINT TRENCH	
EXISTING		DESCRIPTION	
<b>OH</b>		OH	OVERHEAD LINES
<b>E</b>		E	ELECTRIC LINES
<b>G</b>		G	GAS LINES
<b>ATT</b>		ATT	AT&T LINES
<b>C</b>		C	CATV LINES
<b>FO</b>		FO	FIBER OPTIC LINES
<b>JP</b>		JP	JOINT POLE
<b>PMT</b>		PMT	POLE-MOUNTED TRANSFORMER
<b>DL</b>		DL	DECORATIVE LIGHT
<b>SL</b>		SL	STREET LIGHT
<b>TS</b>		TS	TRAFFIC SIGNAL LIGHT
<b>OH</b>		OH	EXISTING OVERHEAD LINE TO BE REMOVED
<b>E</b>		E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
<b>G</b>		G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
<b>ATT</b>		ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
<b>FO</b>		FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
<b>JP</b>		JP	EXISTING JOINT POLE TO BE REMOVED
<b>PMT</b>		PMT	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



CALIFORNIA

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

**SAN JOSE**

**RADIUS**  
**DESIGN LLC**

**Tel (925) 269-4575**

PROJECT NUMBER: <b>20-1072</b>	
LE: <b>1" = 40'</b>	
PROJECT MANAGER: <b>SCOTT HARDESTER</b>	
OWN BY: <b>HENRY NGUYEN</b>	
CHECKED BY: <b>CRAIG BURTON</b>	
LAST UPDATED: <b>03-19-2021</b>	
DRAWING NUMBER: <b>JT-B.14</b>	
HEET: <b>14</b>	OF: <b>20</b>

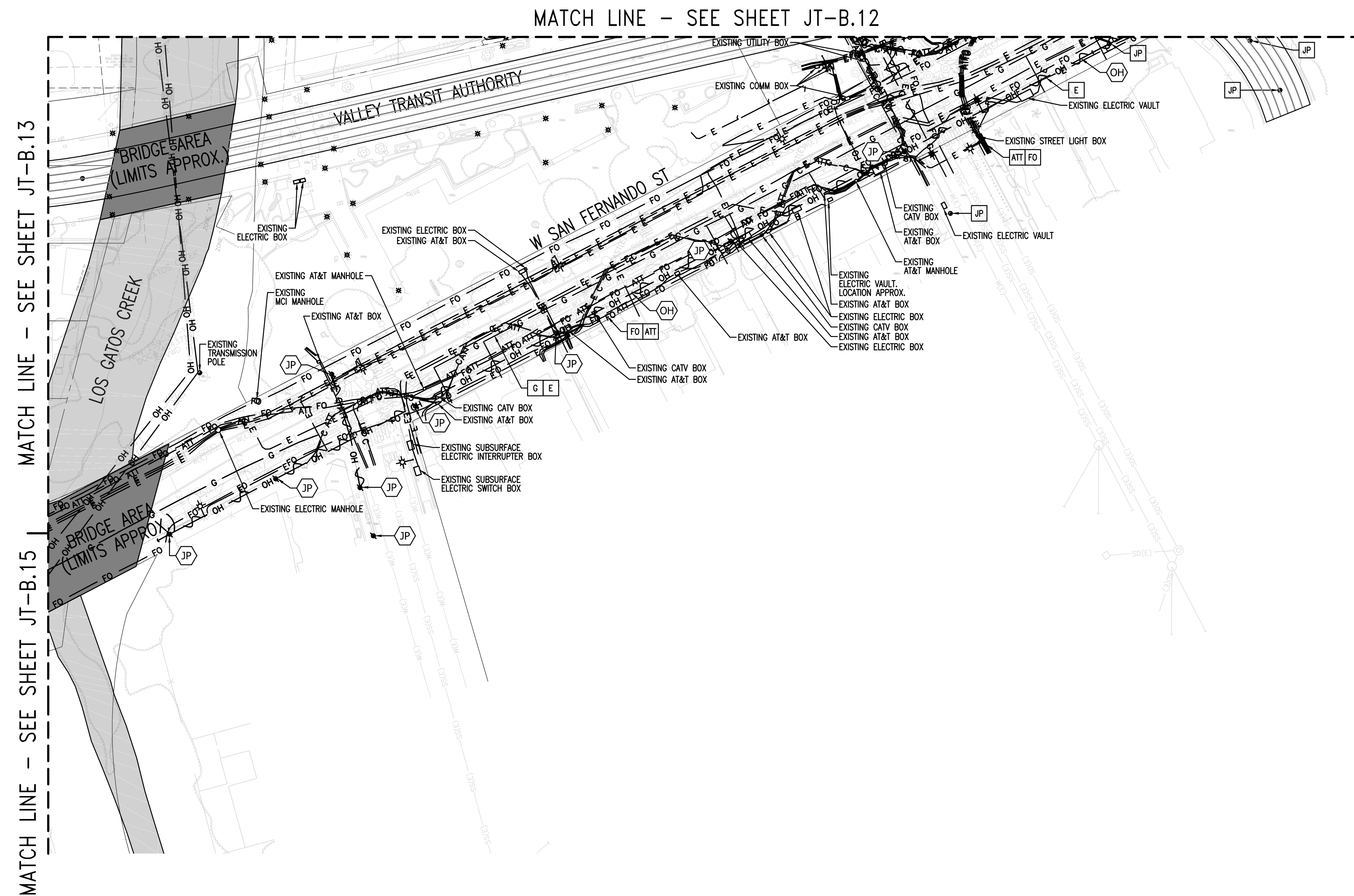
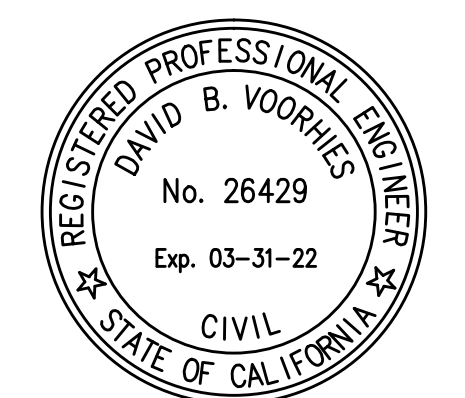


Diagram illustrating a sequence of 18 numbered boxes (JT-B.1 to JT-B.18) arranged in a descending staircase pattern from top-left to bottom-right. The boxes are white with black borders and are connected by a series of lines forming a path.

SHEET INDEX MAP  
N. T. S.



SHEET INDEX	
JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT

NOTE TO COMCAST:  
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SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

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PG&E BULLETIN TD-062288-B006.

DRAWING NAME: Friday, March 19, 2021 3:33:33 PM  
PLOT DATE: HENRY  
PLOTTED BY:



UTILITIES  
PLEASE CONFIRM  
TIE IN LOCATIONS

**1**-PRELIMINARY-**1**  
NOT FOR CONSTRUCTION

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NOTE TO CONTRACTOR:  
FOR CONTRACTOR'S WORK RESPONSIBILITY,  
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW		DESCRIPTION	
JT	— — — — —	JOINT TRENCH	
<u>EXISTING</u>		<u>DESCRIPTION</u>	
OH	— — — — —	OH	OVERHEAD LINES
E	— — — — —	E	ELECTRIC LINES
G	— — — — —	G	GAS LINES
ATT	— — — — —	ATT	AT&T LINES
C	— — — — —	C	CATV LINES
FO	— — — — —	FO	FIBER OPTIC LINES
JP	●	●	JOINT POLE
PMT	▲	▲	POLE-MOUNTED TRANSFORMER
DL	✱	✱	DECORATIVE LIGHT
SL	⚡	⚡	STREET LIGHT
TS	⚡	⚡	TRAFFIC SIGNAL LIGHT
OH	~ ~ ~ ~ ~	OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	~ ~ ~ ~ ~	E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	~ ~ ~ ~ ~	G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	~ ~ ~ ~ ~	ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	~ ~ ~ ~ ~	FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
JP	●	●	EXISTING JOINT POLE TO BE REMOVED
PMT	▲	▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

[illegible]

CALIFORNIA

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS**  
DESIGN LLC

UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596  
Tel (925) 269-4575

PROJECT NUMBER:	20-1072
-----------------	---------

SCALE:  
 $1'' = 40'$

PROJECT MANAGER:  
SCOTT HARDESTER

DRAWN BY:  
**HENRY NGUYEN**

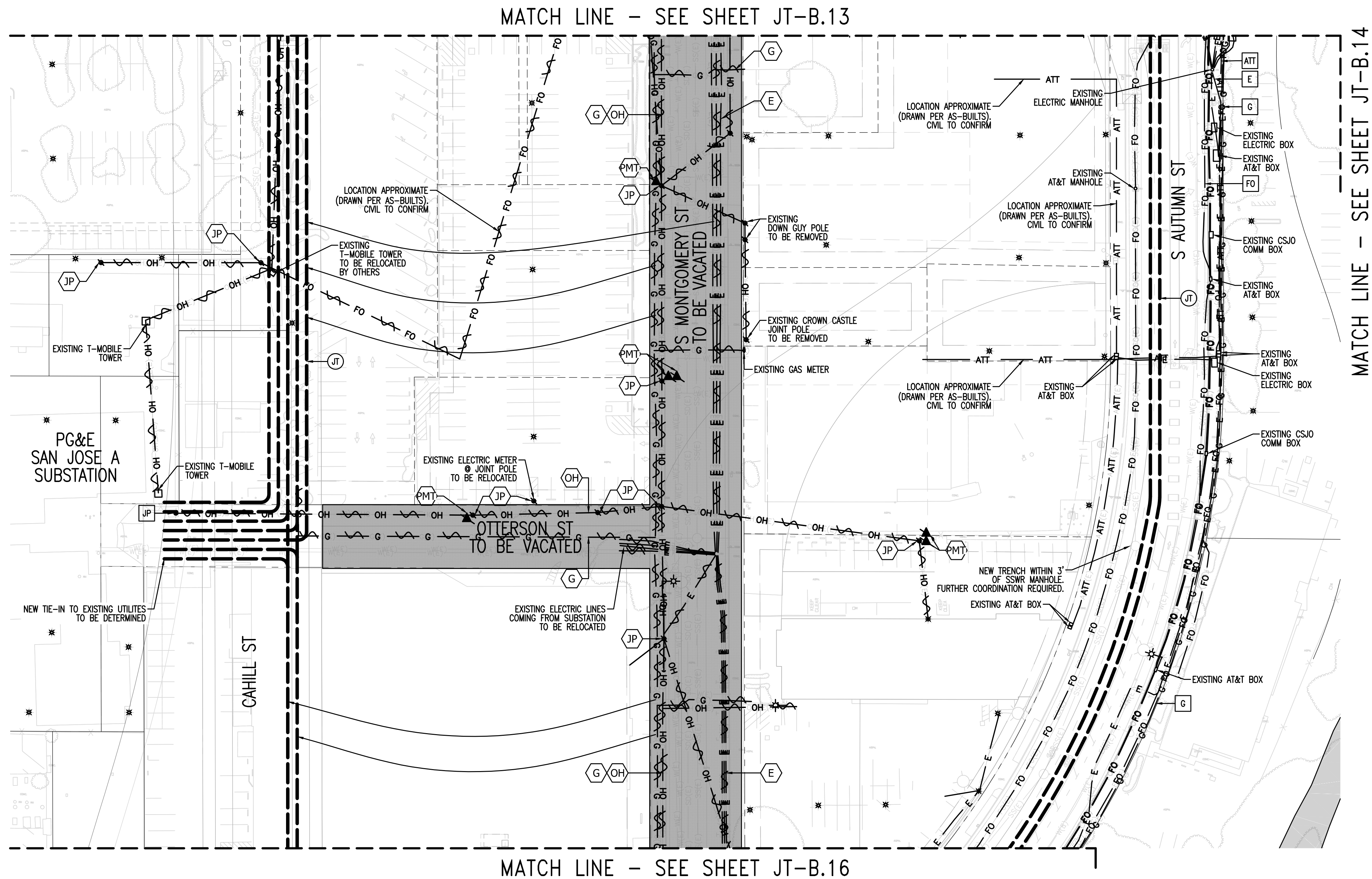
CHECKED BY:  
CRAIG BURTON

LAST UPDATED:  
03-19-2021

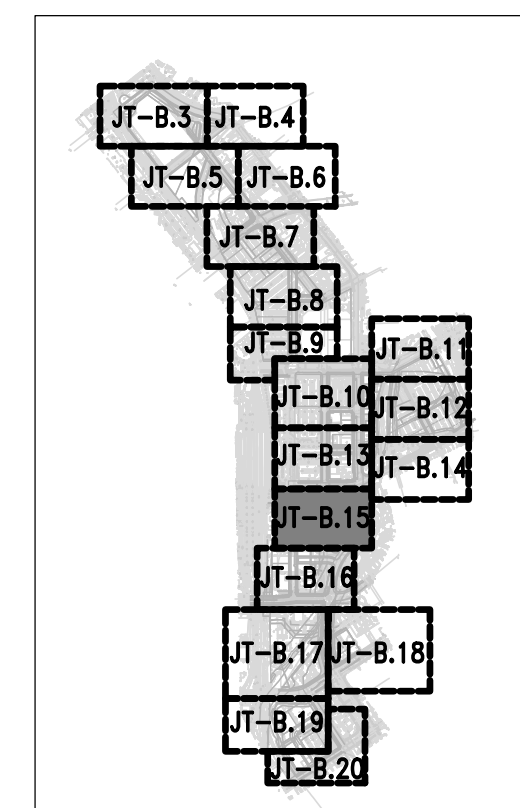
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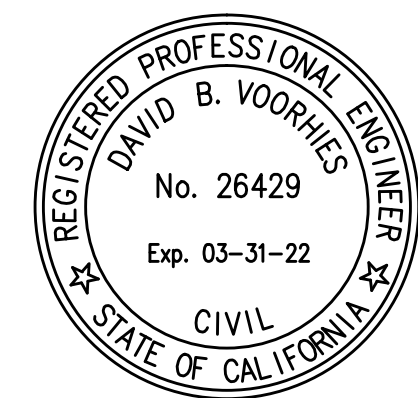
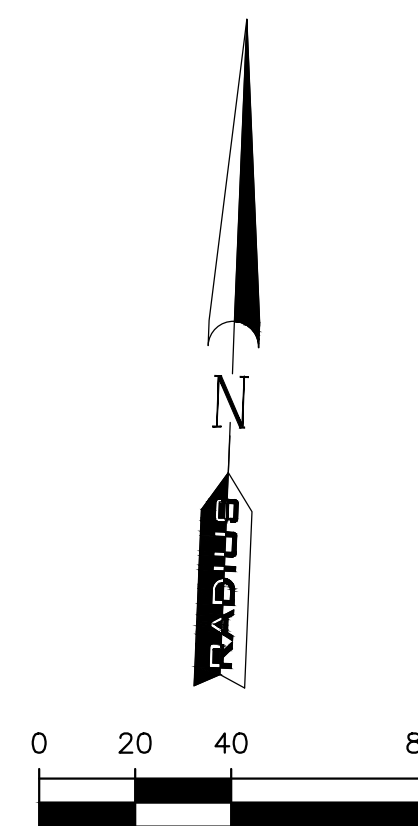
SHEET: 15 OF: 20



MATCH LINE - SEE SHEET JT-B.14



SHEET INDEX MAP  
N. T. S.



## SHEET INDEX

JT-B.1 JOINT TRENCH TITLE SHEET  
JT-B.2 OVERALL  
JT-B.3 THRU B.20 JOINT TRENCH INTENT

NOTE TO COMCAST:  
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DRAWING NAME: Friday, March 19, 2021 3:33:33 PM  
PLOT DATE: HENRY  
PLOTTED BY:



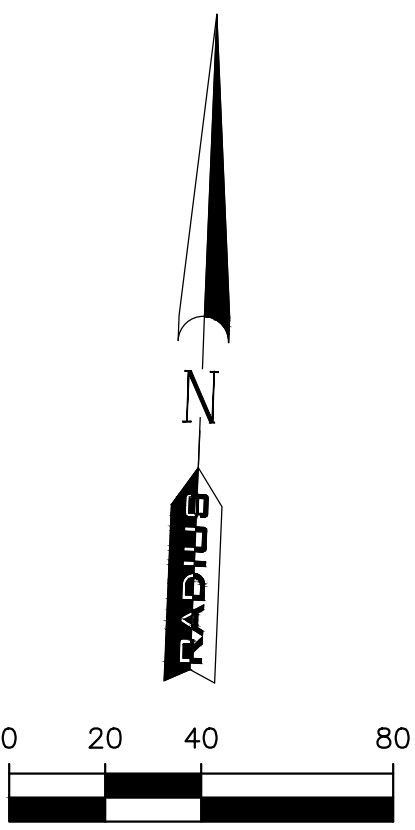
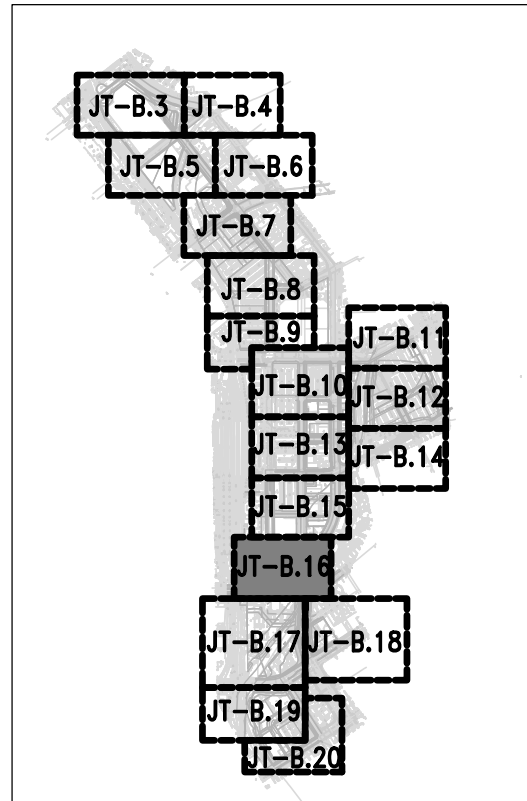
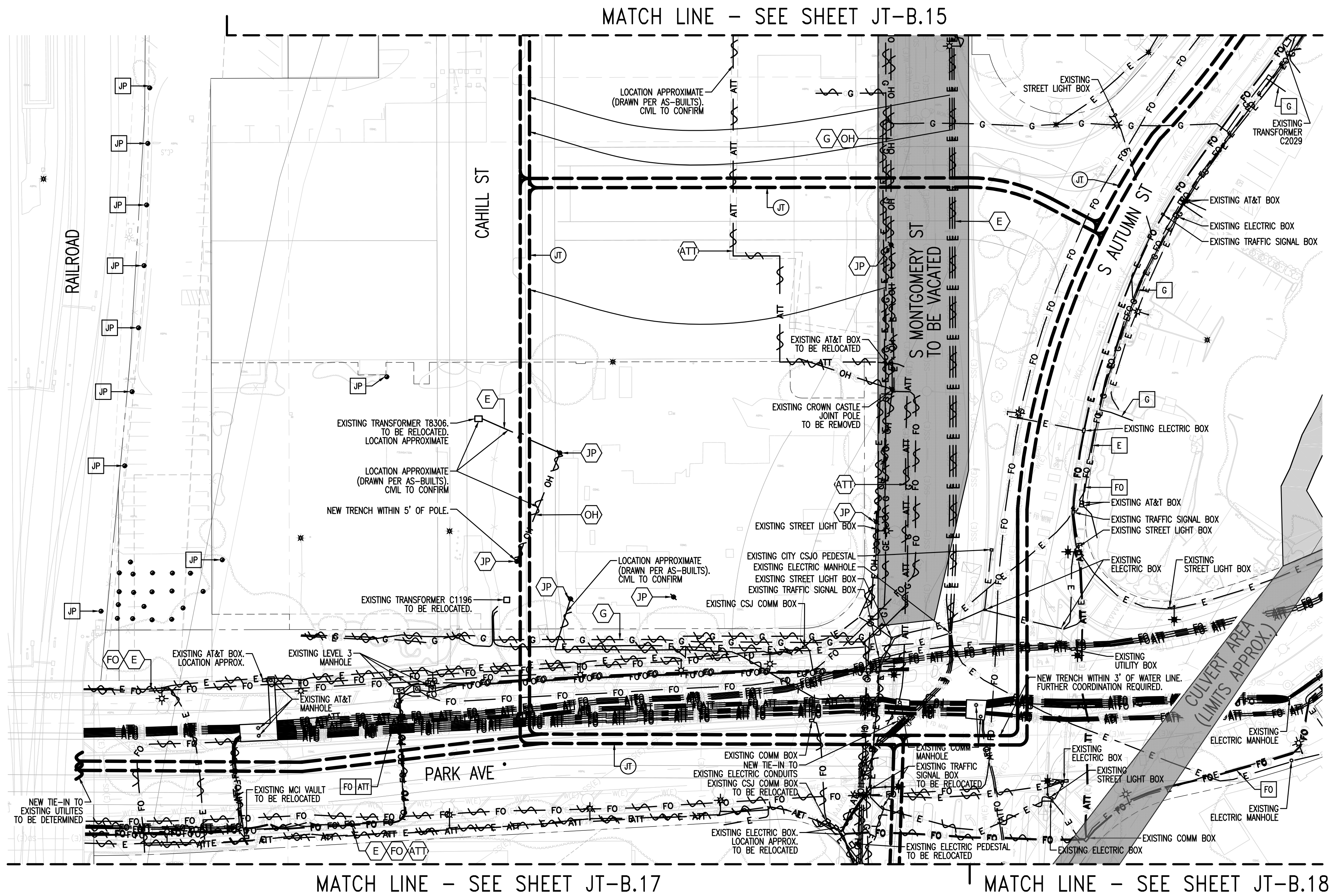
UTILITIES  
PLEASE CONFIRM  
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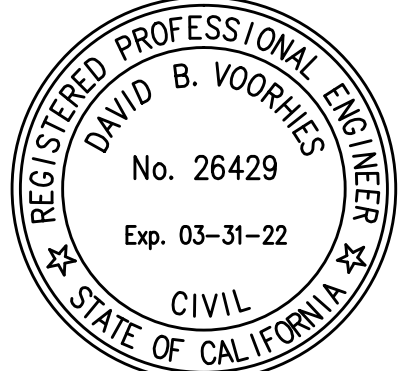
NOTE TO CONTRACTOR:  
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REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:	
NEW	DESCRIPTION
Ⓢ	JOINT TRENCH
EXISTING	
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊙	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX MAP  
N. T. S.

SHEET INDEX	
JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU JT-B.20	JOINT TRENCH INTENT



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DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DELTA NO: \_\_\_\_\_

CALIFORNIA  
JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA  
SAN JOSE

**RADIUS DESIGN**  
UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596  
Tel (925) 269-4575

PROJECT NUMBER:  
20-1072  
SCALE:  
1" = 40'  
PROJECT MANAGER:  
SCOTT HARDESTER  
DRAWN BY:  
HENRY NGUYEN  
CHECKED BY:  
CRAIG BURTON  
LAST UPDATED:  
03-19-2021  
DRAWING NUMBER:  
**JT-B.16**  
SHEET: 16 OF 20



PLEASE CONFIRM  
TIE IN LOCATIONS

–PRELIMINARY–  
NOT FOR CONSTRUCTION

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--	--	--------------

LEGEND:

NEW		DESCRIPTION	
<b>JT</b>		JOINT TRENCH	
EXISTING		DESCRIPTION	
<b>OH</b>		OH	OVERHEAD LINES
<b>E</b>		E	ELECTRIC LINES
<b>G</b>		G	GAS LINES
<b>ATT</b>		ATT	AT&T LINES
<b>C</b>		C	CATV LINES
<b>FO</b>		FO	FIBER OPTIC LINES
<b>JP</b>		JP	JOINT POLE
<b>PMT</b>		PMT	POLE-MOUNTED TRANSFORMER
<b>DL</b>		DL	DECORATIVE LIGHT
<b>SL</b>		SL	STREET LIGHT
<b>TS</b>		TS	TRAFFIC SIGNAL LIGHT
<b>OH</b>		OH	EXISTING OVERHEAD LINE TO BE REMOVED
<b>E</b>		E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
<b>G</b>		G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
<b>ATT</b>		ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
<b>FO</b>		FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
<b>JP</b>		JP	EXISTING JOINT POLE TO BE REMOVED
<b>PMT</b>		PMT	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



CALIFORNIA

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

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PROJECT NUMBER: <b>20-1072</b>	
SCALE: <b>1" = 40'</b>	
PROJECT MANAGER: <b>SCOTT HARDESTER</b>	
DRAWN BY: <b>HENRY NGUYEN</b>	
CHECKED BY: <b>CRAIG BURTON</b>	
EST. UPDATED: <b>03-19-2021</b>	
DRAWING NUMBER: <b>JT-B.17</b>	
EET: <b>17</b>	OF: <b>20</b>

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DRAWING NAME: Friday, March 19, 2021 3:33:33 PM  
PLOT DATE: HENRY  
PLOTTED BY:

MATCH LINE - SEE SHEET JT-B.16

MATCH LINE - SEE SHEET JT-B.18

MATCH LINE - SEE SHEET JT-B.19

JT-B.3 JT-B.4

JT-B.5 JT-B.6

JT-B.7

JT-B.8

JT-B.9 JT-B.11

JT-B.10 JT-B.12

JT-B.13 JT-B.14

JT-B.15

JT-B.16

JT-B.17 JT-B.18

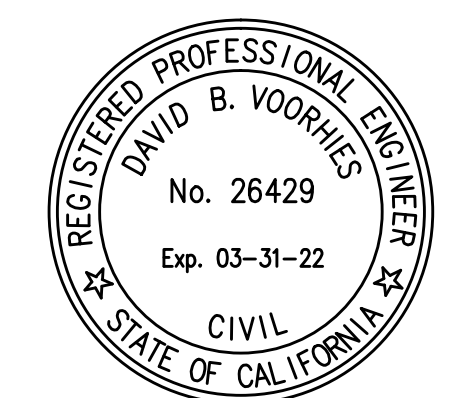
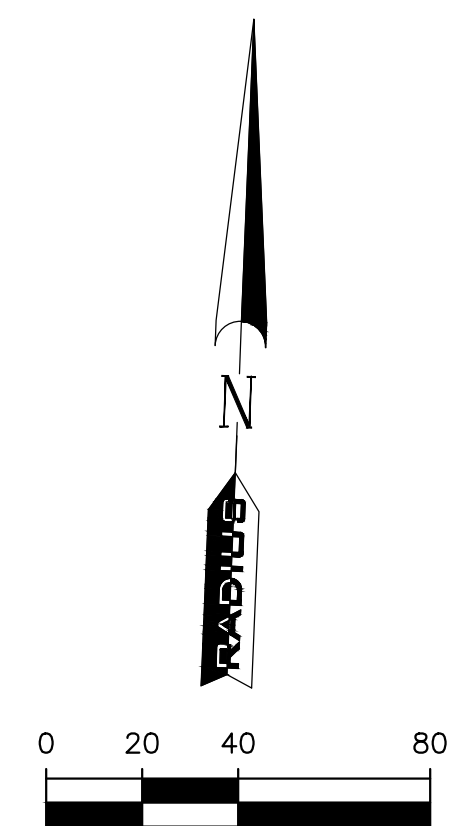
JT-B.19

JT-B.20

SHEET INDEX MAP  
N. T. S.

SHEET INDEX

JT-B.1 JOINT TRENCH TITLE SHEET  
JT-B.2 OVERALL  
JT-B.3 THRU B.20 JOINT TRENCH INTENT







PLEASE CONFIRM  
TIE IN LOCATIONS

–PRELIMINARY–  
NOT FOR CONSTRUCTION






















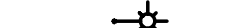







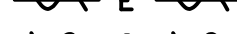






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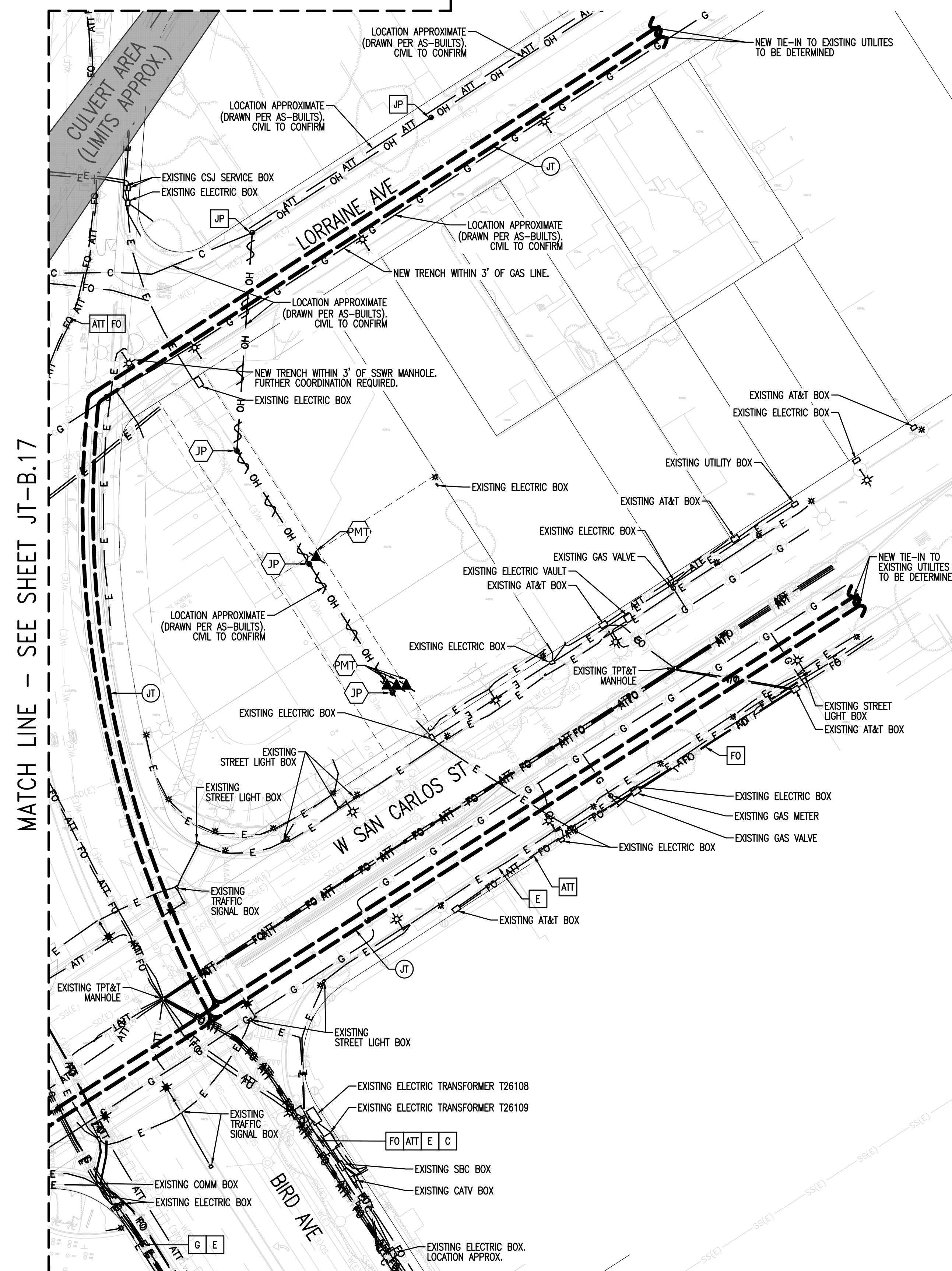
**LEGEND:**

<u>NEW</u>		<u>DESCRIPTION</u>	
	<b>JT</b>		<b>JOINT TRENCH</b>

<u>EXISTING</u>		<u>DESCRIPTION</u>	
	<b>OH</b>		<b>OVERHEAD LINES</b>
	<b>E</b>		<b>ELECTRIC LINES</b>
	<b>G</b>		<b>GAS LINES</b>
	<b>ATT</b>		<b>AT&amp;T LINES</b>
	<b>C</b>		<b>CATV LINES</b>
	<b>FO</b>		<b>FIBER OPTIC LINES</b>
	<b>JP</b>		<b>JOINT POLE</b>
	<b>PMT</b>		<b>POLE-MOUNTED TRANSFORMER</b>
	<b>DL</b>		<b>DECORATIVE LIGHT</b>
	<b>SL</b>		<b>STREET LIGHT</b>
	<b>TS</b>		<b>TRAFFIC SIGNAL LIGHT</b>
	<b>OH</b>		<b>EXISTING OVERHEAD LINE TO BE REMOVED</b>
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	<b>JP</b>		<b>EXISTING JOINT POLE TO BE REMOVED</b>
	<b>PMT</b>		<b>EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED</b>

MATCH LINE - SEE SHEET JT-B.16

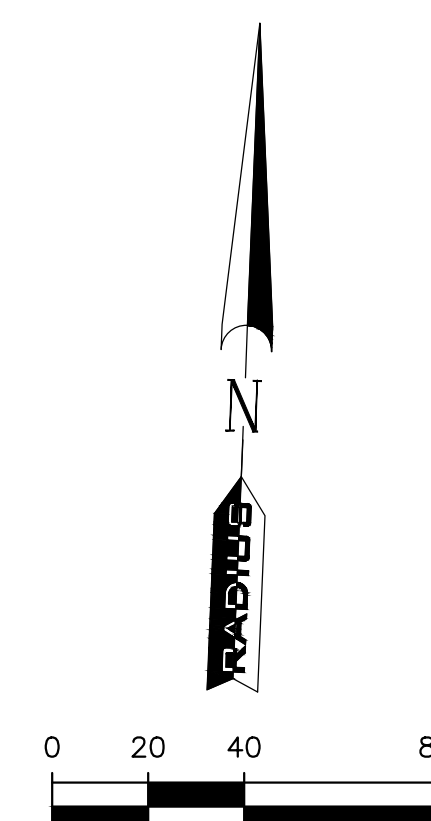


MATCH LINE - SEE SHEET JT-B.17

Diagram illustrating a sequence of 20 blocks arranged in a descending staircase pattern, labeled JT-B.3 through JT-B.20.

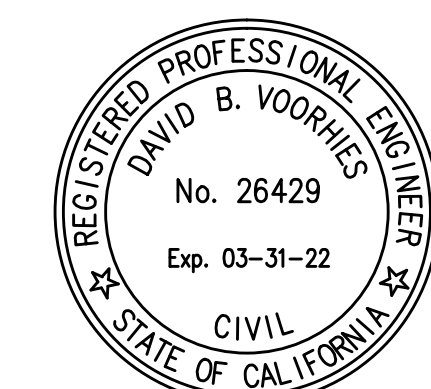
- Row 1: JT-B.3, JT-B.4
- Row 2: JT-B.5, JT-B.6
- Row 3: JT-B.7
- Row 4: JT-B.8
- Row 5: JT-B.9, JT-B.10
- Row 6: JT-B.11, JT-B.12
- Row 7: JT-B.13, JT-B.14
- Row 8: JT-B.15
- Row 9: JT-B.16
- Row 10: JT-B.17, JT-B.18
- Row 11: JT-B.19
- Row 12: JT-B.20

SHEET INDEX MAP  
N. T. S.



SHEET INDEX

JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT

[illegible]

CALIFORNIA

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS**  
**DESIGN LLC**

UTILITY DESIGN CONSULTANTS & ENGINEERS  
460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94598  
Tel (925) 269-4575

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CHECKED BY: <b>CRAIG BURTON</b>	
LAST UPDATED: <b>03-19-2021</b>	
DRAWING NUMBER: <b>JT-B.18</b>	
SHEET <b>18</b> OF <b>20</b>	

DRAWING NAME: Friday, March 19, 2021 3:33:33 PM  
PLOT DATE: HENRY  
PLOT BY:



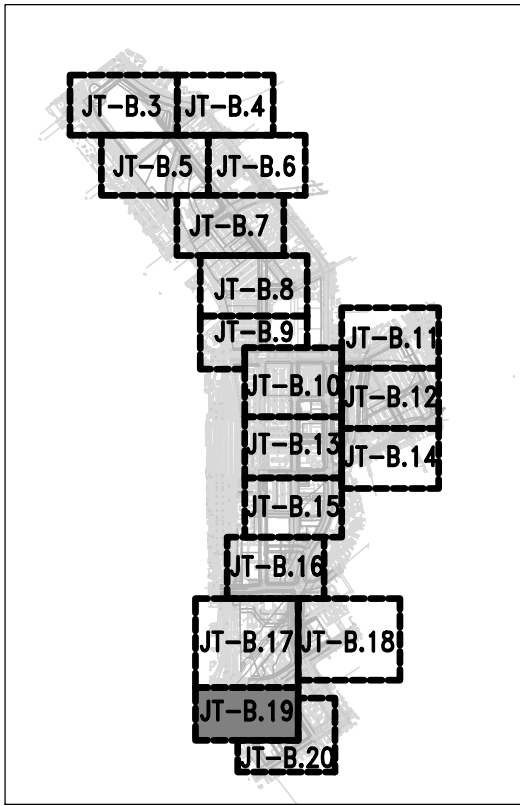
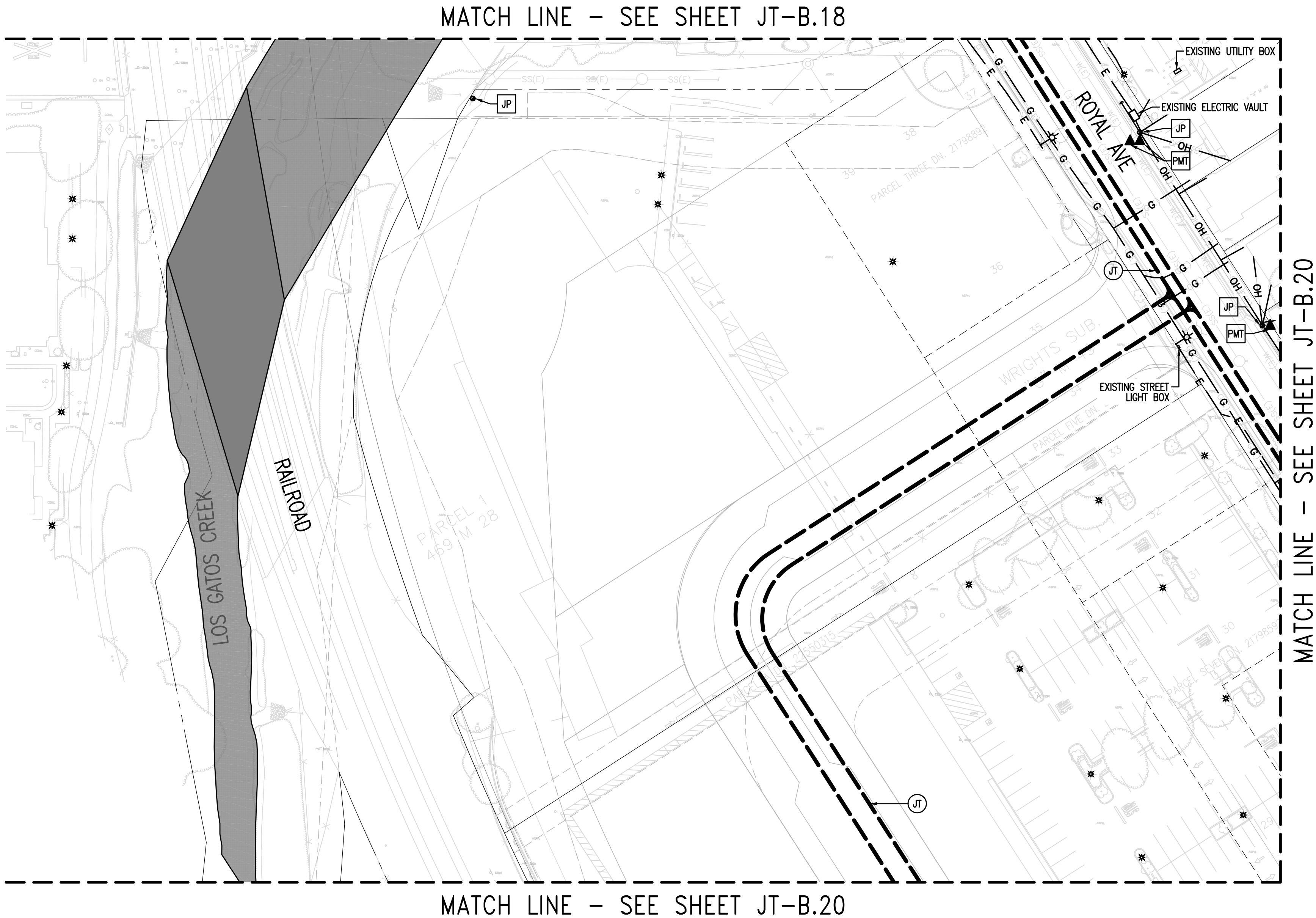
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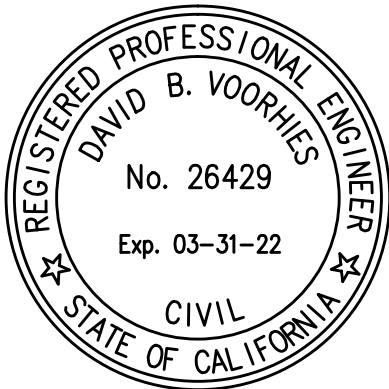
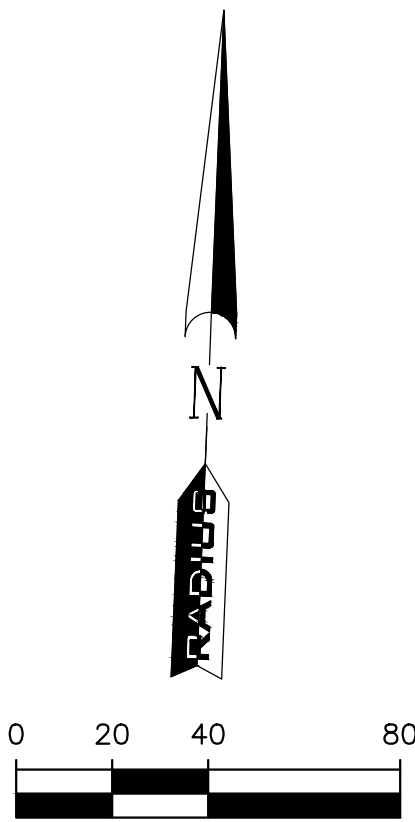
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Ⓢ	JOINT TRENCH
EXISTING	DESCRIPTION
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E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
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●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⚡	STREET LIGHT
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⚡	EXISTING OVERHEAD LINE TO BE REMOVED
⚡	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
⚡	EXISTING GAS LINE TO BE REMOVED/RELOCATED
⚡	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
⚡	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
⚡	EXISTING JOINT POLE TO BE REMOVED
⚡	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX MAP  
N. T. S.



SHEET INDEX	
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JT-B.2	OVERALL
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SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE  
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:  
USE OF PVC DB-120 IS NO LONGER APPROVED BY  
PG&E FOR ANY CONDUIT SIZES, BENDS, AND  
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED  
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL  
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE  
PG&E BULLETIN TD-062288-B006.

DATE:	
REVISION:	
DELTA NO:	

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

SAN JOSE

**RADIUS** DESIGN  
UTILITY DESIGN CONSULTANTS & ENGINEERS  
1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596  
Tel (925) 269-4575

PROJECT NUMBER:  
20-1072  
SCALE:  
1" = 40'  
PROJECT MANAGER:  
SCOTT HARDESTER  
DRAWN BY:  
HENRY NGUYEN  
CHECKED BY:  
CRAIG BURTON  
LAST UPDATED:  
03-19-2021  
DRAWING NUMBER:  
**JT-B.19**  
SHEET: 19 OF: 20



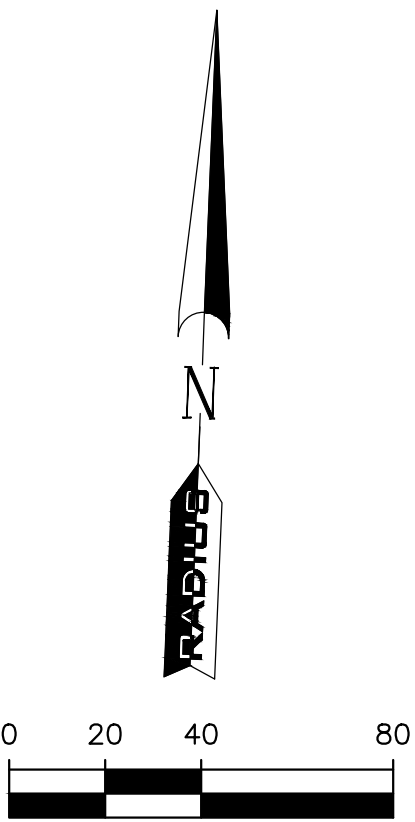
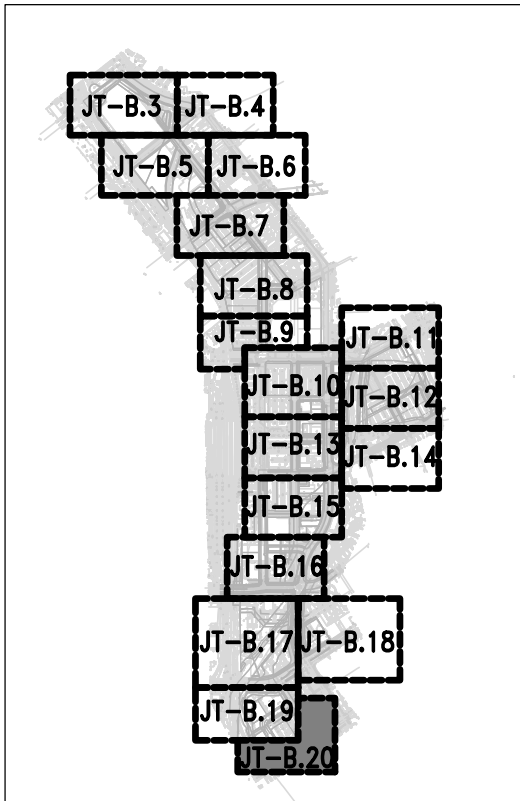
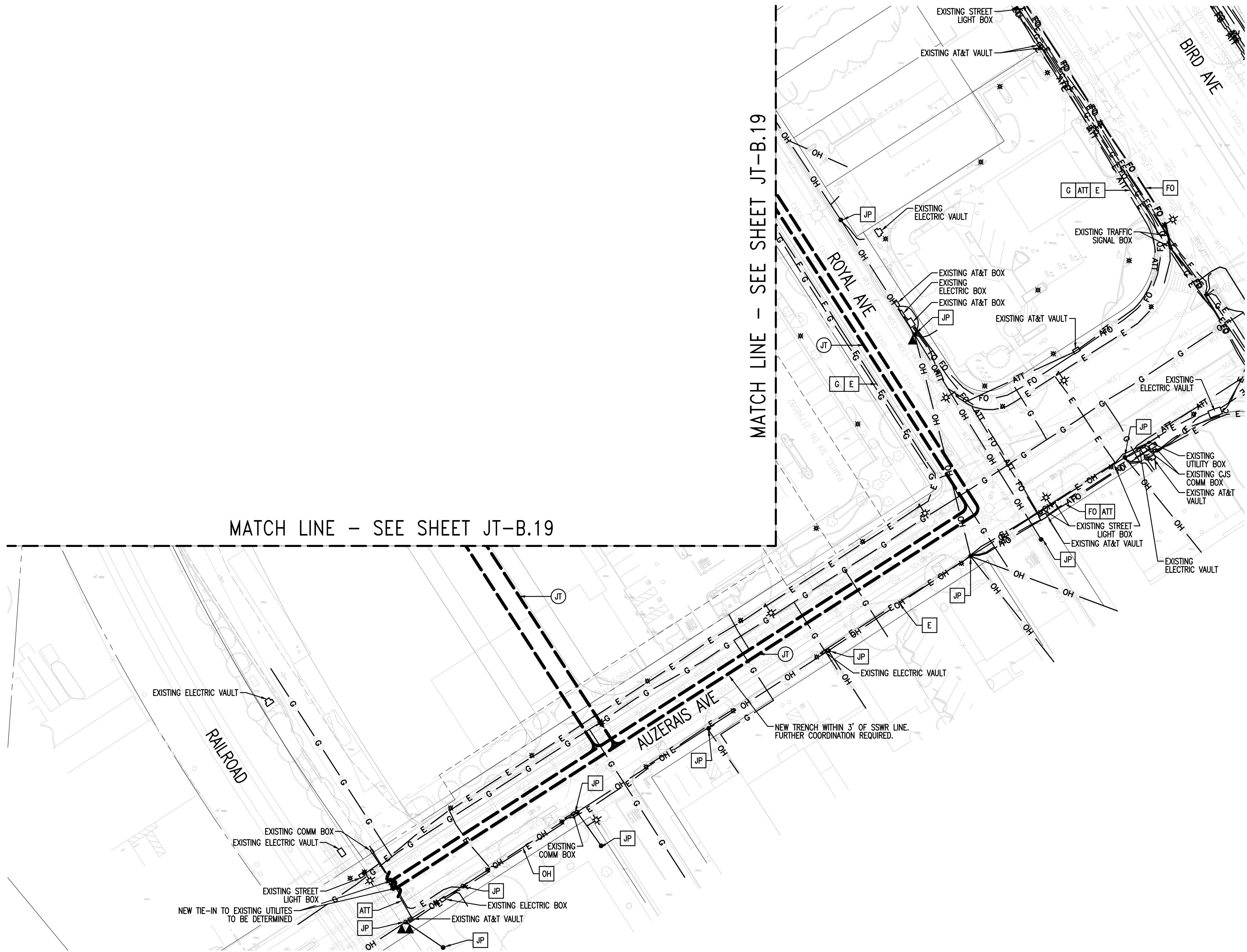
UTILITIES  
PLEASE CONFIRM  
TIE IN LOCATIONS

—PRELIMINARY—  
NOT FOR CONSTRUCTION

THIS IS NOT A BID DOCUMENT  
THIS DRAWING HAS NOT YET BEEN REVIEWED BY  
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

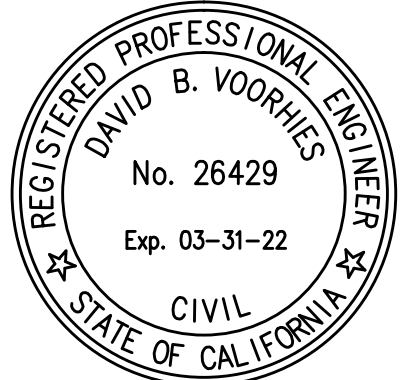
NOTE TO CONTRACTOR:  
FOR CONTRACTOR'S WORK RESPONSIBILITY,  
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:	
NEW	DESCRIPTION
①	JOINT TRENCH
EXISTING	
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊙	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX MAP  
N. T. S.

SHEET INDEX	
JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT



NOTE TO COMCAST:  
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND  
VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005  
DOCUMENT FOR SMART METER ANTENNA  
CONSTRUCTION REQUIREMENTS.

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DATE:	
REVISION:	
DELTA NO:	

CALIFORNIA  
REGISTERED PROFESSIONAL ENGINEER  
DAVID B. VOORRIES  
No. 26429  
Exp. 03-31-22  
CIVIL  
STATE OF CALIFORNIA

JOINT TRENCH INTENT  
DOWNTOWN WEST  
SAN JOSE, CALIFORNIA

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SHEET: 20 OF 20